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Hazardous Materials Investigation at the Oxbow Corporate Park, Tukwila, Washington

Submitted To:

United States Postal Service

Major Facilities Office

255 North Humphrey's Boulevard Memphis, Tennessee 33086-0336

Prepared by:

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October 26, 1995

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The United States Postal Service (USPS) has retained ICF Kaiser Engineers, Inc. (ICF Kaiser) to conduct a Hazardous Materials Investigation at the Oxbow Corporate Park in Tukwila, Washington. The investigation was conducted to identify past business practices at the site that may have impacted the site or site structures. Specifically, the investigation attempted to characterize the site for hazardous material contamination. The USPS has initiated the survey to determine if the site will be used as a USPS facility. The investigation included historical document and aerial photograph research, a site inspection, sampling and analyses of areas of concern, and a survey and sampling of potential asbestos-containing material.

1. HISTORICAL BACKGROUND

The property that contains the Oxbow Corporate Park was farmland before being used for a variety of businesses beginning in 1960. Fill material from the Duwamish waterway was used to backfill areas at the site. The land where the Oxbow Corporate Park is located is divided into three parcels. Parcels A and B were leased in 1970 to Paccar, a commercial vehicle manufacturing company. The parcels leased to Paccar contained a test track for trucks. Areas of the two parcels not occupied by the test track were leased to Future Resources, Inc. which used the area as a salvage yard for construction debris, such as concrete and brick. In 1983, Future Resources sublet space to Dove Supply Company. Dove Supply salvaged construction equipment and heavy machinery at the site. In 1987 the current site structures, Buildings 250 and 252, were constructed and leased to the Boeing Aerospace Company.

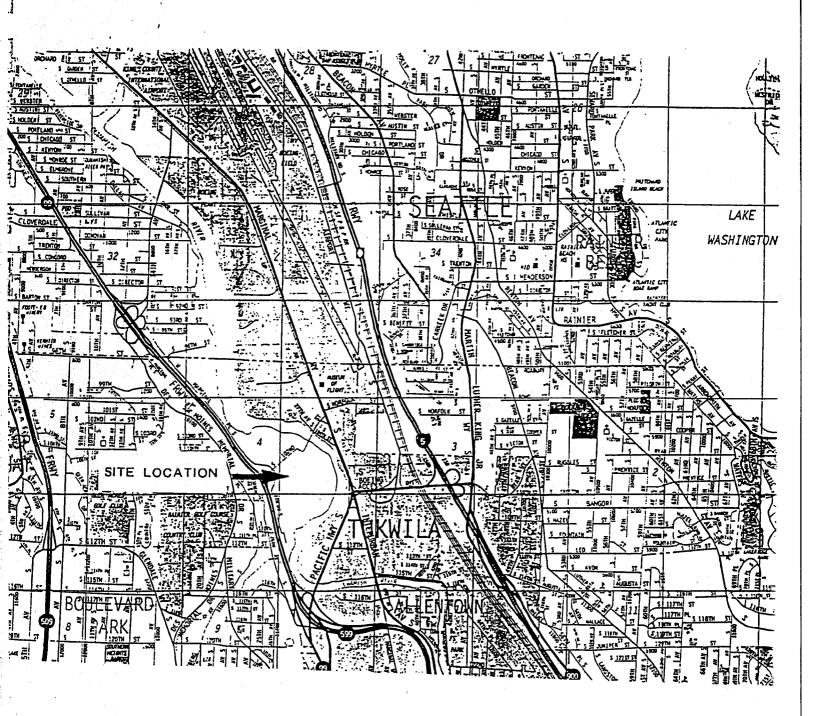
2. SITE BACKGROUND

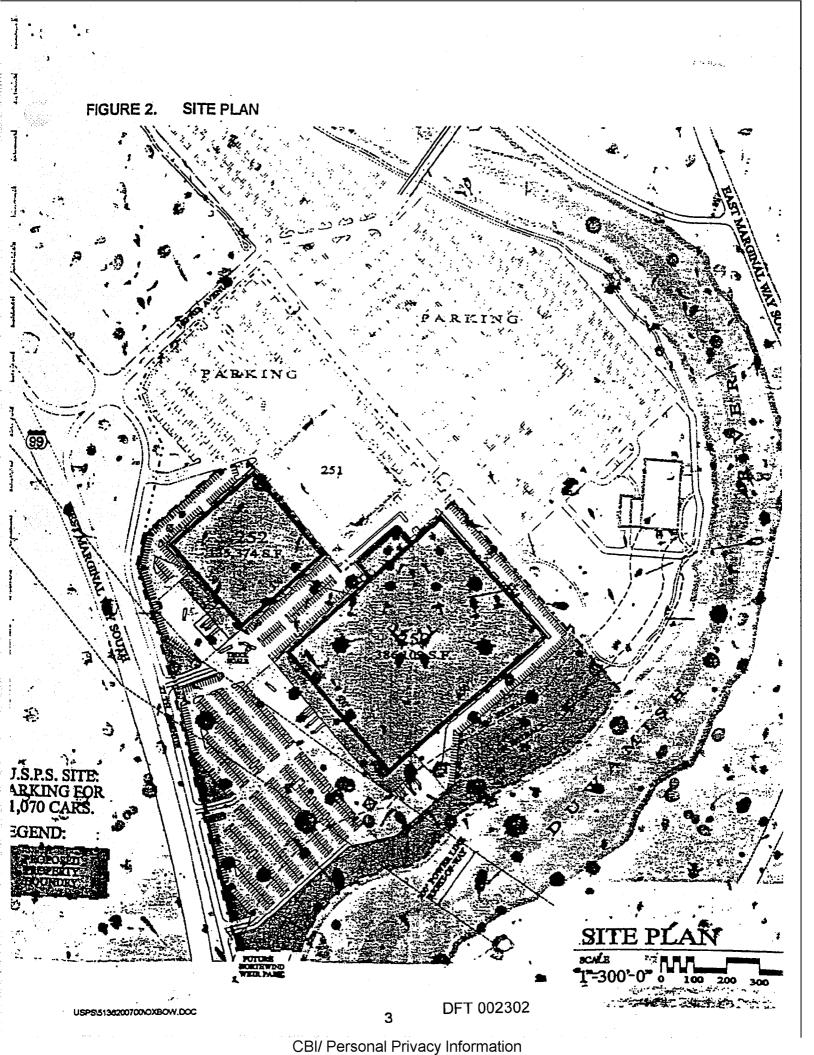
The Oxbow Corporate Park is located west of the Duwamish River, south of Seattle, in Tukwila, Washington. The site is adjacent to West Marginal Way and South 102nd Street. A site location map is presented in Figure 1. The 30-acre site is zoned M-2, heavy industrial, by the city of Tukwila. Three buildings, with a total area of 521,000 square feet, are present at the site. The buildings reviewed for this investigation were buildings 250 and 252. The corporate park was constructed in 1987. A site plan of the Oxbow Corporate Park is presented in Figure 2.

3. PAST AND CURRENT USAGE OF ADJACENT PROPERTIES

ICF Kaiser conducted a review of state, federal, and local agency databases to identify any business or properties within one mile of the Oxbow Corporate Park. The search ascertained the status of adjacent properties with regard to hazardous materials use, storage, and disposal. ICF reviewed the sites to determine if any current or historical activities at adjacent properties may potentially have an impact upon the Oxbow Corporate Park. Leaking underground storage tanks (LUSTs) constituted most of the concerns identified from the state file reviews. One of the eleven LUST sites identified, the Chevron station at 10805 East Marginal way South, is approximately 1/8 of a mile from the Oxbow Park.

FIGURE 1. SITE LOCATION MAP





Similarly, sites with LUSTs were the majority of sites listed on the state and municipal hazardous waste databases. The Chevron Station at 10805 E. Marginal Way South, approximately 1/8 of a mile southeast of the Oxbow site, was again identified. The LUST is believed to have no impact on the site, because it is downstream and across the Duwamish Waterway.

Northwest Auto Wrecking at 10230 East Marginal Way South, located approximately 0.25 miles northeast of the Oxbow Park, is on the State CERCLIS list for soils contaminated with cyanide metals. The Rhone-Poulenc Manufacturing Facility, approximately 1/2 mile from the Oxbow Park also has soils contaminated with cyanide. The Boeing Company Developmental Center adjacent to the Oxbow Park underwent a RCRA Facility assessment by the U.S. Environmental Protection Agency (EPA) in 1988. EPA reported that no further remedial actions are required for the site.

None of the facilities listed above appears to have potential to impact the Oxbow Park. The LUSTs, although numerous in the vicinity, are not likely to affect subsurface conditions at the Oxbow Park.

A complete listing of all sites identified on the state and federal databases is presented in Appendix A.

4. HAZARDOUS MATERIAL INVESTIGATION FOR BUILDING 250 AT THE OXBOW CORPORATE PARK

ICF Kaiser performed a hazardous materials investigation for Building 250 at the Oxbow Corporate Park in Tukwila, Washington. This investigation included a site inspection, a review of historical uses of the property, state and federal agency record review, and an asbestos survey of Building 250. The findings of this investigation are presented below.

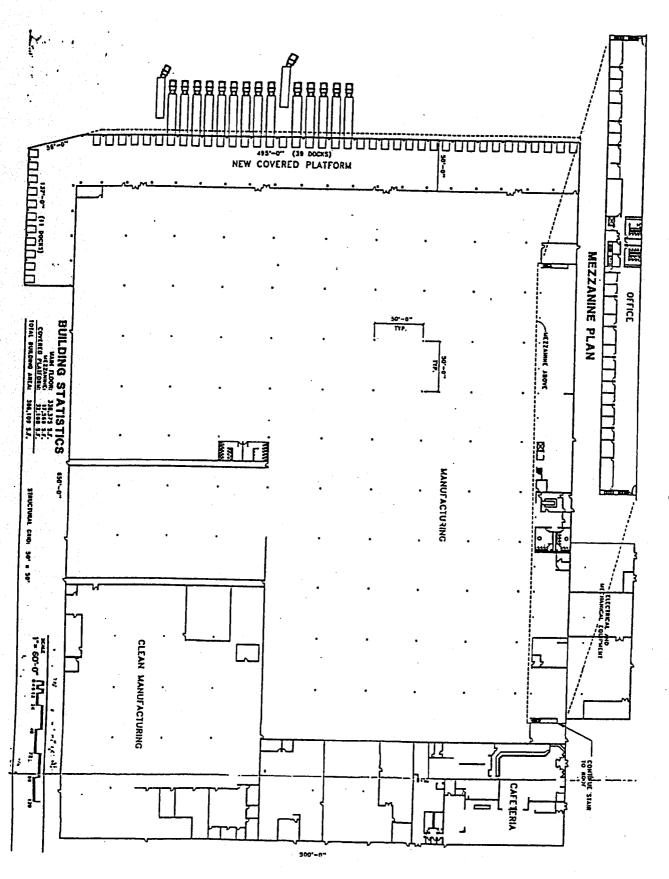
4.1. SITE BACKGROUND OF BUILDING 250

Building 250, constructed in 1987, contains approximately 386,100 square feet of work space. The building is single-story structure with a 17,000 square foot mezzanine for office space. It includes a 490-foot loading dock, a 15,000 square foot cafeteria, an electrical/mechanical room, and office space. The structure is constructed of concrete tilt-up walls and 5-inch concrete slab floor. The main floor of the building is illuminated by metal halide lighting, and has a minimum height clearance of 26 feet. The building is supplied with heat, ventilation, and air conditioning (HVAC). Walls, ceilings, and miscellaneous materials in the building were characterized for asbestos-containing materials (ACMs) and lead-based paint. Drinking water at the building was tested for lead by sampling the drinking water taps. Electrical transformers and light ballasts were inspected for polychlorinated biphenyl (PCB) content. Ambient air monitoring was conducted for the exterior and interior of the structure.

4.2. SITE INSPECTION

A site inspection was conducted at Building 250 on September 21, 1995. The site inspection was completed by Robert Taaffe of ICF Kaiser. Mr. Taaffe was accompanied by Mr. Ken Stickly, Oxbow Park Property Manager, of the Sabey Corporation. Building 250 is vacant, but is supplied with power and utilities. A floor plan for Building 250 is presented in Figure 3.

FIGURE 3. FLOOR PLAN FOR BUILDING 250



General conditions of the building are good to excellent. Structural inspection and determination of the structural integrity of the building are beyond the scope of this report.

4.3. HISTORICAL HAZARDOUS MATERIAL USAGE AND DISPOSAL

The Boeing Aerospace Company was a tenant at Building 250 from 1987, when the structure was constructed, until vacating the building in 1994. The Boeing Aerospace Company used Building 250 for light manufacturing and industrial activities. Composite aircraft parts, tool fabrication, metal fabrication, and painting activities were conducted in Building 250. Hazardous materials used within the building were sealants, solvents, Freon, developers, oils, resins, and potting compounds. A large portion of the building was a clean room. This area had controlled access and was dust free. The manufacturing of high-tech aircraft components was conducted in this area. Residual mastic staining on the concrete flooring remains in some areas where the clean room was located. The mastic was used to secure the static-free floor covering necessary for clean room conditions.

Chemicals used at the building were stored offsite in a storage facility at the main Boeing complex and delivered to Building 250 in "as-needed" quantities. An inventory for specific chemicals used at the building is presented in Appendix B. All spent chemicals were placed in 55-gallon drums, consolidated at Boeing hazardous waste management facility, manifested and disposed through an EPA-certified waste handling company. Manifests for spent chemical shipments from Building 250 were requested from the Boeing Aerospace Company. Boeing did not respond to this request. Activities conducted at the Oxbow Corporate Park generated enough hazardous waste to classify the facility as a RCRA small-quantity generator. RCRA small-quantity generators are facilities that generate more than 220 pounds and less than 2200 pounds of hazardous waste within a calendar month.

The Boeing Aerospace Corporation maintains its own hazardous material and management division. The Boeing hazardous material and management division has not reported any emergency spill responses for toxic materials spills or mishandlings during Boeing's occupancy. Isolated incidents such as small oil spills or spillage of small quantities of solvents or paints probably occurred, but were not reported to the hazardous material and management division.

4.4. ASBESTOS-CONTAINING MATERIAL

A comprehensive inspection for ACMs was performed for Building 250 on September 21, 1995. The asbestos inspection was performed by Mr. Chris Cearlock, a certified asbestos building inspector, of ICF Kaiser. No ACM was identified in the building during the visual portion of the survey as would be expected for a building constructed in 1987. However, samples were collected from floor tile, wall coatings, baseboard, tile mastic, and pipewrap in the electrical/mechanical room to confirm the absence of ACM. Locations for the asbestos samples collected are presented in Figure 4. The samples were analyzed by polarized light microscopy for asbestos fibers. Analytical results for the samples indicated that none of the material sampled contained asbestos fibers greater than 1 percent. Asbestos sample results are presented in Table 1. A complete laboratory report for the asbestos samples is presented in Appendix C.

FIGURE 4. ASBESTOS SAMPLE LOCATIONS FOR BUILDING 250

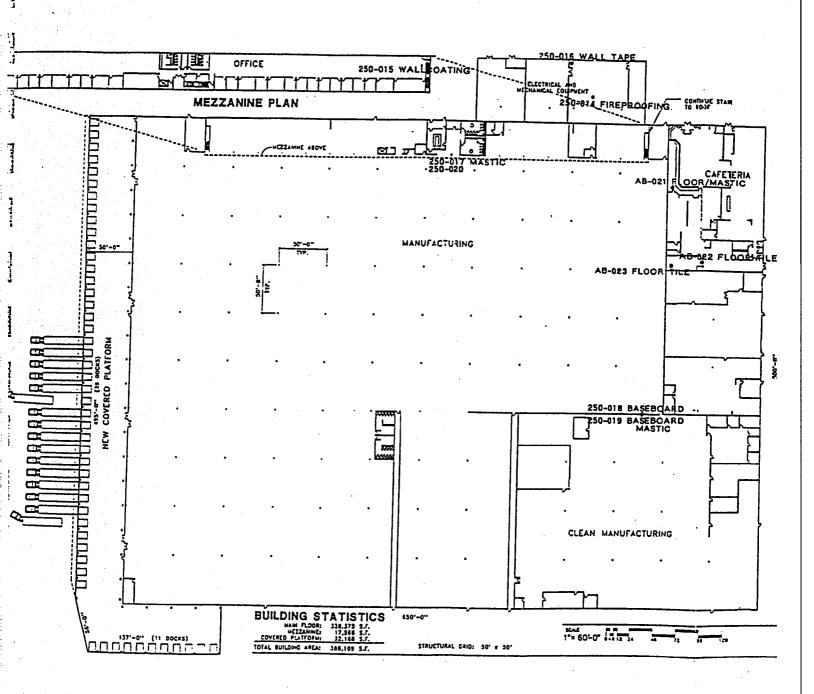


TABLE 1. ASBESTOS RESULTS FOR BUILDING 250

SAMPLE NO.	SAMPLE DESCRIPTION	RESULTS
AB-250-014 Fireproofing		Mineral Wool
AB-250-015	Paper wall coating from mezzanine	Cellulose/Glass Fiber
AB-250-016	Wall tape from boiler room	Cellulose
AB-250-017	Mastic from 12 x 12 gray/white floor tile	Asphalt/Filler/Binder
AB-250-018	Black baseboard	Filler/Binder
AB-250-019	Black baseboard mastic	Cellulose
AB-250-020	Duplicate of sample AB-250-017	Filler/Binder
AB-250-021	Pink speckled vinyl flooring and mastic	Cellulose/Filler/Binder
AB-250-022	Grey/White 12 x 12 floor tile	Filler/Binder
AB-250-023	Floor tile from cafeteria	Synthetic Filler/Binder

The materials sampled were used throughout the building. These materials contained cellulose, glass fibers and non-asbestos fillers and binders. The results of the asbestos survey indicate that no ACM is present in Building 250.

4.5. LEAD-BASED PAINT

Walls and other painted surfaces were analyzed qualitatively with lead-paint swab sticks. These sticks give a calorimetric response if lead is present in the surfaces tested. None of the walls tested in Building 250 indicated that lead was present in the surface coatings. Walls were checked with the lead-paint swab sticks throughout the structure. Walls in each office on the mezzanine and walls in the main floor area were checked for lead. All of the surfaces tested were free of lead based paint.

4.6. DRINKING WATER ANALYSIS

Water samples were collected from a drinking fountain on the main level, a drinking water fountain at the southeast corner of the building, and from a drinking water fountain in the cafeteria. The samples were analyzed for lead content in accordance with EPA water quality standards. Sample results indicated that lead concentrations for the samples were less than the EPA Drinking Water Quality Standards. EPA recommends that potable water contain less than 50 μ g/L of lead. Sample results for the drinking water samples are presented in Table 2. Full laboratory data reports for the drinking water samples are presented in Appendix D.

TABLE 2. DRINKING WATER SAMPLES RESULTS FOR BUILDING 250

SAMPLE	LOCATION	SAMPLE RESULTS
TW-4	Main Floor-Drinking Water Fountain	39 μg/L
TW-5	Drinking Fountain at SE Comer	9 µg/L
TW-6	Drinking Tap in Cafeteria	16 μ g/L

4.7. POLYCHLORINATED BIPHENYLS

Electrical transformers, capacitors, and light ballasts were examined to determine if dielectric fluids within the electrical equipment at the building contain PCBs. During the site inspection, two transformers were identified outside Building 250. The transformers outside the building are maintained by Puget Power. These exterior transformers at the Oxbow Corporate Park are labeled as PCB-free; that is, the dielectric fluids within the transformers have been certified to contain less than 1 percent PCBs.

Site inspectors examined accessible light ballasts from fluorescent lights within Building 250. Ten of the light ballasts were inspected and found to be PCB-free. The site inspection revealed several dry-type transformers located throughout the building. Dry-type do not contain dielectric fluids and accordingly did not contain PCBs.

4.8. OTHER ISSUES

During the visual site inspection, a groundwater monitoring well was identified approximately 20 feet from the west wall inside Building 250. No information for the well construction was available. The monitoring well is approximately 16 feet deep. Ken Stickly, Oxbow Property Manager, and Boeing personnel interviewed, did not know why the well was installed to monitor ground water conditions. Personnel at the Boeing hazardous material management center stated that the well had not been sampled when Boeing occupied Building 250. Despite repeated requests, Boeing did not provide documentation concerning the monitoring well. Robert Taaffe of ICF Kaiser sampled the well on October 3, 1995. The monitoring well was purged and sampled according to EPA and industry standards. The samples collected were analyzed for volatile organic compounds, petroleum constituents, and metals.

The 2-inch diameter well is approximately 16 feet deep below the concrete floor. At the time of sampling, there were approximately 18 inches of water in the well. The well also contained a substantial amount of sediment. No unusual odors were noted during the well sampling. A stale, organic smell was present during the well purging. No sheen or other abnormal conditions were observed on the water removed from the well.

The results for the monitoring well samples are presented below in Table 3 and Table 4. The full analytical laboratory reports for the water samples are presented in Appendix E. The concentrations of the contaminants analyzed were less than regulatory standards. Accordingly, potential for the groundwater beneath the site to be contaminated does not appear to be an issue.

TABLE 3. ORGANIC RESULTS FOR MONITORING WELL IN BUILDING 250

CONSTITUENTS	RESULTS (μg/L)
Volatile Organic Compounds	None Detected
Total Petroleum Hydrocarbons	None Detected

TABLE 4. METALS RESULTS FOR MONITORING WELL IN BUILDING 250

ANALYTE	RESULTS (mg/L)
Antimony	> 0.15
Arsenic	> 0.15
Beryllium	> 0.0055
Cadmium	· 0.033
Chromium	0.12
Copper	0.44
Lead	0.12
Nickel	0.09
Selenium	> 0.2
Silver	> 0.01
Thallium	> 0.15
Zinc	- 0.42

The sample results indicated that volatile organic compounds and petroleum products were not present above laboratory detection limits in the sample. The metals which were present in the sample did not exceed regulatory standards as established by the Washington State Model Toxic Control Act (MTCA). The results for chromium were higher than MTCA levels permit. However, this MTCA concentration is established for drinking water. The groundwater beneath the Oxbow site is not used for drinking water purposes and MTCA standards are conservative cleanup standards. Since background levels were not established for the site, these concentrations were not excessively high and should not be considered an issue.

A 500-gallon above-ground storage tank (AST) is used to operate a back-up emergency power generator. The AST contains diesel fuel and is located within secondary containment in the electrical/mechanical room. There were no visual indications of leaks or spills associated with the AST.

4.9. SUMMARY OF THE INSPECTION FOR BUILDING 250

The hazardous material inspection for Building 250 at the Oxbow Corporate Park did not reveal any significant issues regarding the historical use or disposal of hazardous materials.

Boeing personnel stated that all hazardous materials used and stored by the Boeing Aerospace Corporation at the site were manifested, consolidated and disposed according to EPA protocol. Ambient air monitoring inside Building 250 did not indicate that presence of organic vapors.

There was no indication that paint applied to surfaces throughout the building contained lead. Drinking water samples from taps in Building 250 did not contain lead above EPA drinking water standards. The asbestos inspection and sample analyses did not identify any materials defined as ACM. All transformers identified at Building 250 were labeled as PCB-free. A subsequent interview with Puget Power officials confirmed the transformers are PCB-free. USPS officials should continue to sample the groundwater monitoring well to ensure that no contaminants are migrating beneath the site. The samples from the monitoring well analyzed for this report should be considered as baseline characterization samples. Variations in groundwater conditions and seasonal influences may produce different results.

The hazardous materials investigation for Building 250 has concluded that the structure and adjacent properties are free from hazardous materials and conditions.

5. HAZARDOUS MATERIAL INVESTIGATION FOR BUILDING 252 AT THE OXBOW CORPORATE PARK

ICF Kaiser performed a hazardous materials investigation for Building 252 at the Oxbow Corporate Park. This inspection included a site inspection, historical use of the property, state and federal agency record review, and an asbestos survey of Building 252. The findings of this investigation are presented below.

5.1. SITE BACKGROUND OF BUILDING 252

Building 252, constructed in 1987, contains approximately 135,400 square feet of work space. The building is a single-story structure with the majority of footage used for manufacturing. A site plan for Building 252 is presented in Figure 5. The building includes a covered loading dock, a paint booth, and a small office area. The structure is constructed of concrete tilt-up walls and 5-inch concrete slab floor. The building is supplied with HVAC. The main floor areas of the building contain metal halide lighting.

Building 252 was used by the Boeing Aerospace Corporation for light manufacturing activities from 1987 until 1994. The hazardous materials investigation conducted for Building 252 consisted of a visual inspection of the structure and adjacent properties. Areas and/or surfaces suspected to have contacted, or to have had the potential to be contaminated by, hazardous materials were sampled and analyzed. Floors, walls, ceilings, and miscellaneous materials in the building were characterized for ACMs and lead-based paint. Drinking water at the building was tested for lead by sampling the drinking water taps. Transformers and light ballasts were inspected for PCB content. Ambient air monitoring was conducted for the exterior and interior of the structure.

5.2. SITE INSPECTION

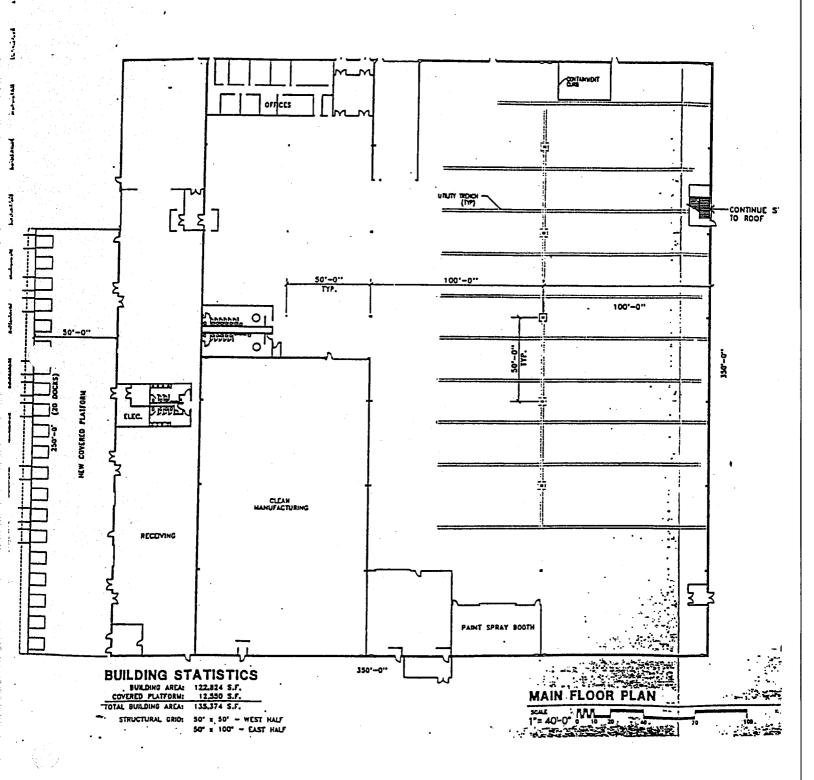
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A site inspection was conducted at Building 252 on September 21, 1995. The site inspection was completed by Robert Taaffe of ICF Kaiser. Mr. Taaffe was accompanied by Mr. Ken Stickly, Oxbow Corporate Park Property Manager. Building 252 is vacant, but is supplied with power and utilities. General conditions of the building are good to excellent. Structural inspection and determination of the structural integrity of the building are beyond the scope of this report.

The walls in Building 252 are lined with air and gas lines that were associated with parts assembly workstations. An in-floor utility trench is present throughout the eastern portion of Building 250. The utility trench is approximately 24 inches deep and contains electrical and vacuum lines. Access ports to the building-wide vacuum system is present at some workstations.

The paint booth was closely inspected during the site walk. There are no indications from a visual inspection that the paint booth has contamination problems. The paint booth floor is stained with a light coating of paint, yet the overall condition of the booth is generally good. Two floor drains were identified during the site walk. No odor or heavy staining at the floor drains was noted. A stick-up pipe, the purpose of which is unclear, was observed near the southeast interior wall of Building 252. A subsequent conversion with Boeing personnel from the hazardous material management office indicated that they were unsure of the pipe's purpose.

FIGURE 5. FLOOR PLAN FOR BUILDING 252



5.3. HISTORICAL HAZARDOUS MATERIAL USAGE AND DISPOSAL

The Boeing Aerospace Company was a tenant at Building 252 from 1987, when the structure was constructed, until 1994. The Boeing Aerospace Company used Building 252 for aircraft parts assembly and fabrication activities. Aircraft parts painting, tool fabrication, metal fabrication, and welding activities were conducted in Building 252. Hazardous materials used within the building were paints, resins, and adhesive compounds. A paint booth, located at the south side of the building, used a filter system to retain air particulates.

Chemicals used at the building were stored in small quantities for use. An inventory of specific chemicals used at the building is presented in Appendix B. All spent chemicals were consolidated at the Boeing hazardous material center. Spent chemicals were stored in 55-gallon drums, manifested and disposed through an EPA-certified waste handling company. A manifest for a shipment of spent chemicals generated at Building 252 was requested from Boeing. Boeing personnel did not respond to this request. Activities conducted at the Oxbow Corporate Park during Boeing's tenure generated enough hazardous waste to classify the facility as a RCRA small-quantity generator. There were no outstanding issues or concerns regarding chemical use or disposal identified during the site inspection and document review.

5.4. ASBESTOS-CONTAINING MATERIAL

A comprehensive inspection for ACM was performed for Building 252 on September 21, 1995. The asbestos inspection was performed by Mr. Chris Cearlock of ICF Kaiser. No ACM was identified in the building during the visual portion of the survey. Samples were collected from floor tile, acoustic ceiling tiles, tile mastic, and pipewrap in the electrical/mechanical room to confirm the absence of ACMs. Locations for the asbestos samples collected are presented in Figure 6. Analytical results for the samples indicated that none of the materials sampled contains greater than 1 percent asbestos fibers. Asbestos sample results are presented in Table 5.

5.5. LEAD-BASED PAINT

Walls and other painted surfaces were analyzed quantitatively with lead-paint swab sticks. These sticks give a calorimetric response if lead is present in the surfaces tested. Walls were tested throughout the structure, specifically in the main floor areas, office spaces, cafeteria, and paint booth area. In addition, walls in each office on the mezzanine were checked for lead. None of the analyses from walls on the main level of Building 252 indicated that lead was present.

Samples from the floor adjacent to the paint booth in Building 252 indicated that lead-based paints are present. A slight calorimetric response was noted on the lead-paint swab. Additional sampling was attempted to confirm the presence of lead-based paint; however, the floor is concrete and attempts to remove a piece of it were unsuccessful. The area that may contain lead paint is limited to approximately 20 square feet. The actual quantity of flooring that may contain lead is uncertain because a multitude of colors are present on the floor adjacent to the paint booth.

FIGURE 6. ASBESTOS SAMPLE LOCATIONS FOR BUILDING 252

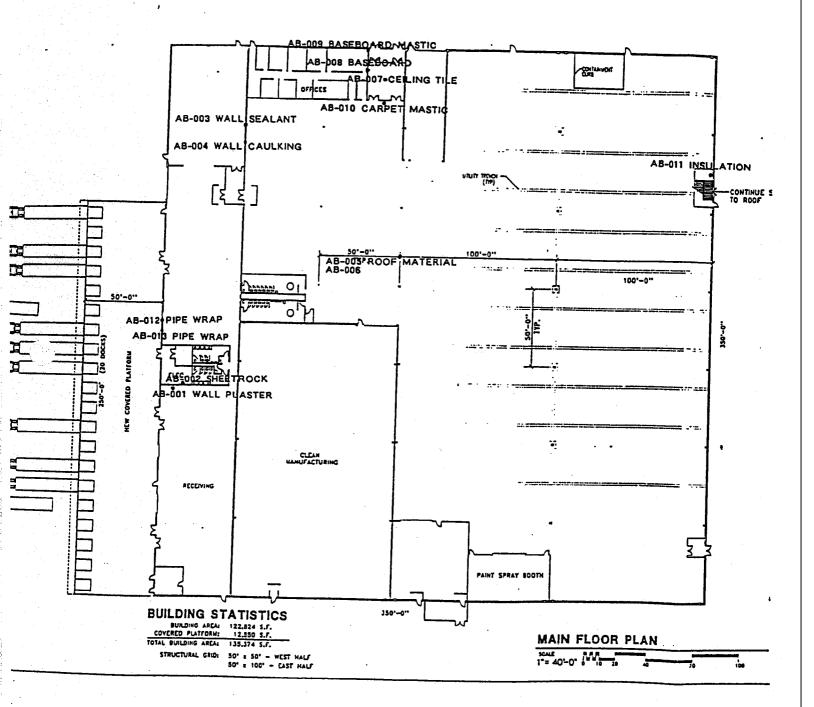


TABLE 5. ASBESTOS RESULTS FOR BUILDING 252

SAMPLE NUMBERS	DESCRIPTION	RESULTS
AB-252-001	Area Wall Plaster	Calcite Filler/Binder
AB-252-002	Office Sheet Rock	Gypsum Filler/Binder
AB-252-003	Sealant Between Wall Section	Polyurethane
AB-252-004	Caulking Between Wall Sections	Calcite Filler/Binder
AB-252-005	Black Mat/Insulation From Roof	Mineral Wool
AB-252-006	Roofing Material	Asphalt Filler/Binder
AB-252-007	Acoustic Ceiling Panel	Cellulose/Mineral Wool
AB-252-008	Gray Baseboard	Vinyl Filler/Binder
AB-252-009	Black Mastic on Baseboard	Filler/Binder
AB-252-010	Carpet and Mastic	Calcite/Cellulose
AB-252-011	Fiberglass Insulation/Tape	Vinyl Filler/Binder
AB-252-012	Foil Pipe Wrap	Cellulose/Glass Fiber
AB-252-013	Elbow Pipe Wrap	Cork/Asphalt Filler

5.6. DRINKING WATER ANALYSIS

Water samples were collected from taps in the restrooms and several water taps on the main level. The samples were analyzed for lead content in accordance with EPA water quality standards. The EPA allows lead up to 50 μ g/L in drinking water. Sample results indicated that lead concentrations for the samples were less than water quality standards.

All of the drinking water fountains in Building 252 had pre-filters present on the intake lines. It was not possible to collect drinking water samples before the filters. The disposable filters appeared to be in good condition. Two of the drinking water fountains did not operate and, obviously, were not available to sample. Analytical results for the drinking water samples are presented in Table 6.

5.7. POLYCHLORINATED BIPHENYLS

Electrical transformers, capacitors, and light ballasts were examined to determine if dielectric fluids within the items contain PCBs. During the site inspection, two transformers were identified outside Building 252. The transformers outside the building are maintained by Puget Power. The Puget Power-maintained exterior transformers at the Oxbow Corporate Park are PCB-free; that is, the dielectric fluids within the transformers contain less than 1 percent PCBs. Several dry-type electrical transformers were identified inside Building 252. These dry-type transformers are PCB-free. Site inspectors examined accessible light ballasts from fluorescent

lights within Building 252. Ten of the light ballasts were inspected and found to be PCB-free. The particular model of fluorescent light inspected in Building 252 appears to be present throughout the building.

5.8. AMBIENT AIR MONITORING

A field volatile-organic analyzer was placed in the main floor area of Building 252 and allowed to monitor ambient air conditions for several hours while the site inspection was being conducted. The field instrument did not record any elevated levels of organic vapors. Dusty conditions were present but are believed to be a result of inactivity at the building. No elevated levels of organic vapors were recorded at the two floor drains or the one above-ground pipe identified during the site walk.

5.9. SUMMARY OF THE HAZARDOUS MATERIAL INSPECTION AT BUILDING 252

The only issue identified during the hazardous materials investigation for Building 252 that may be of concern is the possible lead-containing paint stains on the floor adjacent to the paint booth. This material was not confirmed as lead-containing paint because of difficulties sampling the concrete flooring. The stained area of flooring was limited and the paint could be removed before the postal service occupies the building. No other issue of concern with regard to hazardous materials was identified during this investigation.

TABLE 6. DRINKING WATER SAMPLES RESULTS FOR BUILDING 252

SAMPLE LOCATION		SAMPLE RESULTS
TW-1	Restroom on Main Floor	9 µg/L
TW-2	Restroom on West Side of Building	12 μg/L
TW-3	Tap from Janitor's Closet	12 μg/L

APPENDIX A ENVIRONMENTAL DATABASE SEARCH

PROPERTY	CLIENT
INFORMATION	INFORMATION
Project Name/Ref #: 51362-007.00 OXBOW CORPORATE PARK 10730 W MARGINAL WAY TUKWILA, WA 98168 Latitude/Longitude: (47.508421, 122.296324)	ROBERT TAAFFE ICF KAISER ENGINEERS-SEATTLE 1191 2ND AVE STE 1200 SEATTLE, WA 98101

	Site Di	stribution Summary	within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
Agency / D	atabase - Ty	pe of Records				
A) Databas	es searched	to 1 mile:			<u> </u>	
US EPA	NDI	N-6 1 - 1 - 1				4.4
US EPA	NPL	National Priority List	0	0	0	0
US EPA	TORRACI	S RCRA Corrective Actions	0	0	1	1
USEPA	TSD	RCRA permitted treatment, storage,		-		
STATE	CDI	disposal facilities	0	0	1	1
	SPL	State equivalent priority list	0	0	0	1
STATE	SCL	State equivalent CERCLIS list	0	1	1	1
B) Databas	es searched	to 1/2 mile:		· .		
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US EPA STATE REG	CERCLIS	Sites under review by US EPA Leaking Underground Storage Tanks	0	0	2	
STATE REG	LUST	Leaking Underground Storage Tanks				•
STATE REG CO STATE/		Leaking Underground Storage Tanks Permitted as solid waste landfills	0	1	10	<u> </u>
STATE REG	LUST	Sites under review by US EPA Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations				-
STATE REG CO STATE/ REG/CO	SUST	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations	0	1	10	-
STATE REG CO STATE/ REG/CO C) Database	S LUST SWLF es searched	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations to 1/4 mile:	0	1	10	
STATE REG CO STATE/ REG/CO C) Database US EPA	S LUST SWLF es searched RCRA Viol	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations to 1/4 mile: RCRA violations/enforcement actions	0	0	10	
STATE REG CO STATE/ REG/CO C) Database US EPA US EPA	S LUST SWLF es searched RCRA Viol. TRIS	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations to 1/4 mile: RCRA violations/enforcement actions Toxic Release Inventory database	0	0 0	10	
STATE REG CO STATE/ REG/CO C) Database US EPA US EPA	S LUST SWLF es searched RCRA Viol	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations to 1/4 mile: RCRA violations/enforcement actions Toxic Release Inventory database Registered underground or	0	0	10	
STATE REG CO STATE/ REG/CO C) Database US EPA	S LUST SWLF es searched RCRA Viol. TRIS	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations to 1/4 mile: RCRA violations/enforcement actions	0	0 0	10	
STATE REG CO STATE/ REG/CO C) Database US EPA US EPA STATE	S LUST SWLF es searched RCRA Viol. TRIS	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations to 1/4 mile: RCRA violations/enforcement actions Toxic Release Inventory database Registered underground or aboveground storage tanks	0 0 0	0 0	10	
STATE REG CO STATE/ REG/CO C) Database US EPA US EPA STATE	S LUST SWLF es searched RCRA Viol TRIS UST/AST	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations to 1/4 mile: RCRA violations/enforcement actions Toxic Release Inventory database Registered underground or aboveground storage tanks to 1/8 mile: Emergency Response Notification	0 0 0 0	0 0	10	
STATE REG CO STATE/ REG/CO C) Database US EPA US EPA STATE	S LUST SWLF es searched RCRA Viol TRIS UST/AST	Leaking Underground Storage Tanks Permitted as solid waste landfills, incinerators, or transfer stations to 1/4 mile: RCRA violations/enforcement actions Toxic Release Inventory database Registered underground or aboveground storage tanks to 1/8 mile:	0 0 0	0 0	10	

This geographic database search meets the American Society for Testing Materials (ASTM) standards for a government records review. A (-) indicates the search distance exceeds ASTM search parameters.

LIMITATION OF LIABILITY

Customer proceeds at its own risk in choosing to rely on VISTA services, in whole or in part, prior to proceeding with any transaction. VISTA cannot be an insurer of the accuracy of the information, errors occurring in conversion of data, or for customer's use of data. VISTA and its affiliated companies, officers, agents, employees and independent contractors cannot be held liable for accuracy, storage, delivery, loss or expense suffered by customer resulting directly or indirectly from any information provided by VISTA.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

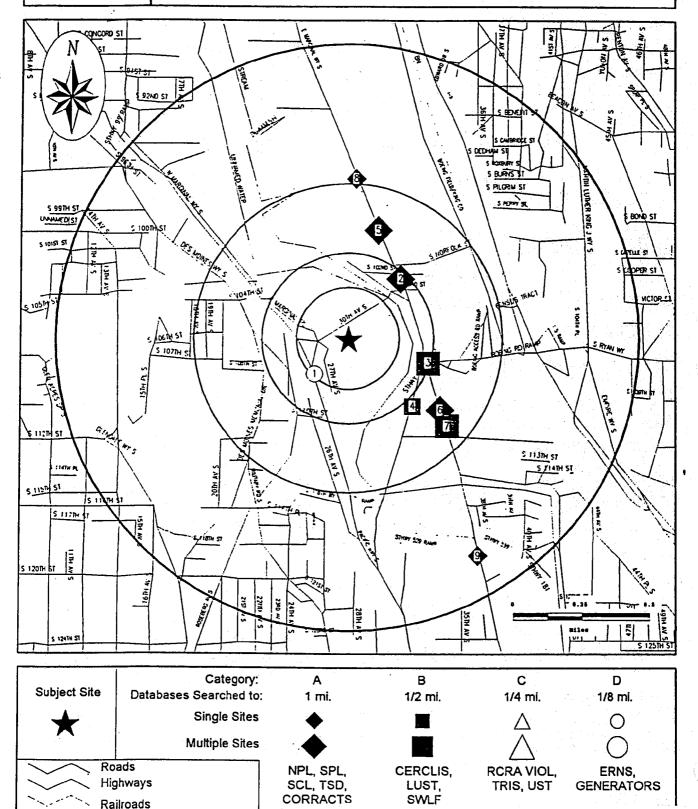
Report ID: 084038-001

Date of Report: September 13, 1995

Page #1



Map of Sites within One Mile

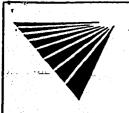


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Report ID: 084038-001

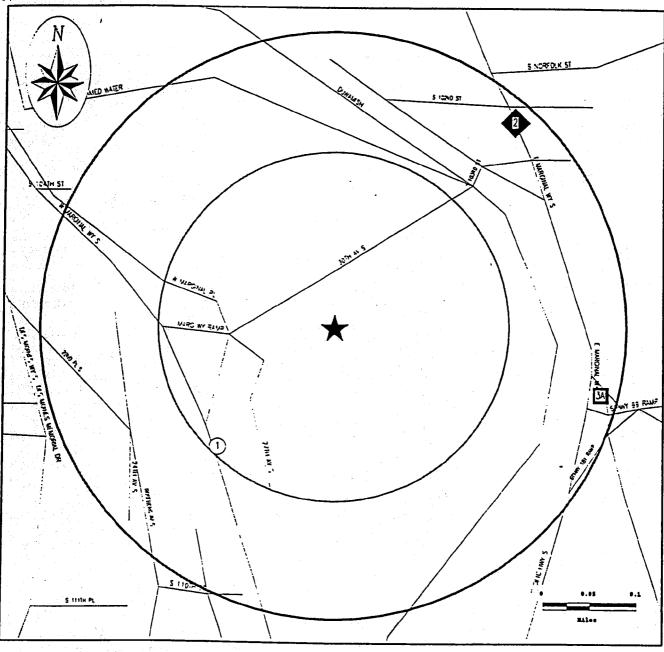
Rivers or Water Bodies

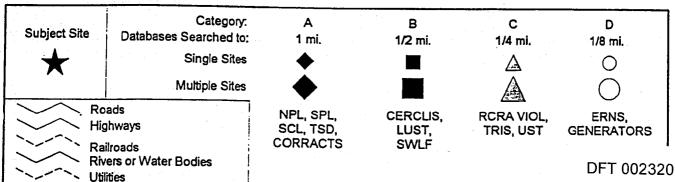
Utilities

Date of Report: Sentember 13 1995



Map of Sites within Quarter Mile



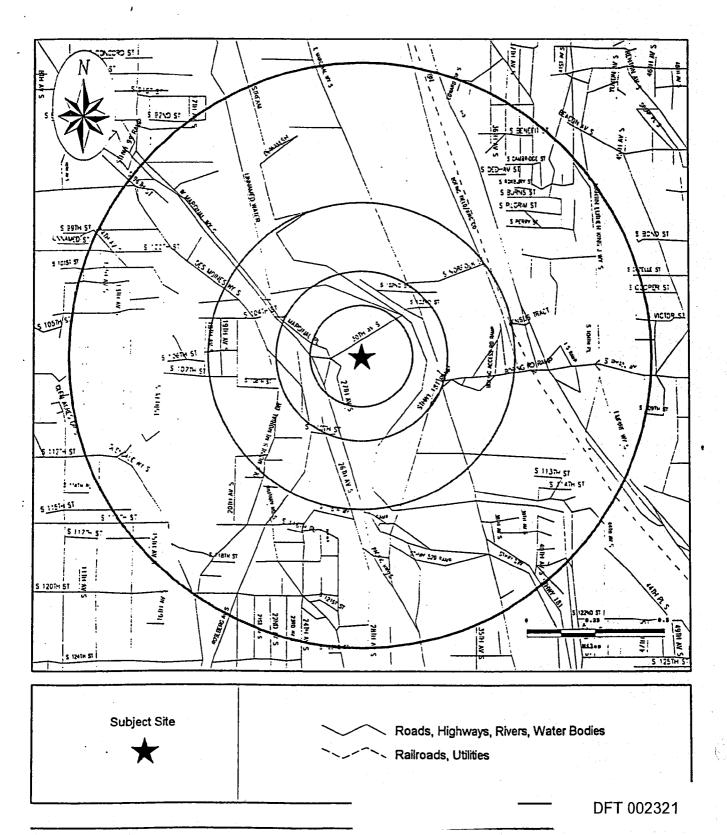


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Date of Report: September 13, 1995



Street Map



SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	CORRACTS	TSD A	SPL	SCL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	D	SINKIR
1	BOEING ADVANCED SYSTEMS CO OXBOW SIT 10700 W MARGINAL WAY S SEATTLE, WA 98168	52652 0.12 MI SW									3		×	<

	SITES IN THE SUBBOUNDING ADDA			Α			В	$oldsymbol{\mathbb{T}}$	С	D
MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	e seit.	ACTS			<u>SI</u>		10L	Į.	
		VISTA ID DISTANCE DIRECTION	೯۱೧	ISD		CERCL	TSU.	3CRA	IST/AS	RNS
2	CONSTRUCTORS PAMCO YARD 10215 EAST MARGINAL WAY SO SEATTLE, WA 98168	1846660 0.22 MI NE							x	
2	NORTHWEST AUTO WRECKING 10230 E. MARGINAL WAY S. SEATTLE, WA 98168	1855686 0.23 Mi NE			x					
ЗА	CHEVRON STATION # 9-3099 10805 E MARGINAL WAY S SEATTLE, WA 98168	3629309 0.23 MI E					x		x	

			_				_						
1	SITES IN THE SURROUNDING AREA		L.,	-	<u> </u>	,	┞	В		_	C	\bot	D
MAP ID	(within 1/4 - 1/2 mile)			MCTS	.		SIT			VIOL	į	2	2
		VISTA ID DISTANCE DIRECTION	NPL	CORR	SPL	SCL	CERC	LUST	SWLF	RCRA	TRIS	S I V	GNRT
3	MCCONKEY PROPERTY 10710 E. MARGINAL WAY SOU SEATTLE, WA 98168	4267292 0.25 MI E						X				1	
3	HERTZ EQUIPMENT RENTAL CORP 10710 E MARGINAL WAY SOUTH SEATTLE, WA 98168	1846661 0.25 Mi E						x				+	
4	SEA TAC FORD TRUCK SALES INC 11000 PACIFIC HWY S SEATTLE, WA 98168	373065 0.28 MI SE		1				x			1	+	1.
5	ASSOCIATED GROCERS HUMBLE STAT 10056 E MARGINAL WAY SOUT SEATTLE, WA 98168	1855691 0.33 MI NE						x			1	1	
5	OLD HUMBLE STATION 10056 E MARGINAL WAY SOUTH SEATTLE, WA 98168	1845659 0.33 MI NE						x		1	1.	,	

DFT 002322



X = search criteria; • = tag-along (beyond search criteria).
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Report ID: 084038-001
Date of Report: September 13, 1995

Version 2.4

				7	A			В			C		0	
MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	NPL	CORRACTS	TSD	SPL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
5	BOEING COMPANY DEVELOPMENT CENTER 9725 E MARGINAL WAY S SEATTLE, WA 98108	52656 0.36 MI N		X				x		•	•			•
5	DIMENSIONAL ENGINEERING 9407 E MARGINAL WY SEATTLE, WA 98108	122453 0.38 MI N					X							
6	PONY EXPRESS COURIER CORPORATION 11004 E MARGINAL WY S. SEATTLE, WA 98168	1846662 0.35 Mi SE					1	x				•		
6	YELLOW FREIGHT TERMINAL/TKWILA 11231 E. MARGINAL WAY S. SEATTLE, WA 98168	1846664 0.37 Mi SE				,		x				٠		
7	FARWEST TAXI FACILITY 11180 E MARGINAL WAY SEATTLE, WA 98168	4267293 0.42 MI SE						x						
7	FARWEST TAXI FACILITY 11180 E MARGINAL WAY SEATTLE, WA 98168	2884077 0.42 MI SE						x						_

				- /	\			В			С	T	ם
MAP	SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)	VISTA ID DISTANCE DIRECTION	교	CORRACTS	SPL	SCL	CERCLIS	LUST	SWLF	RCRA VIOL	TRIS	UST/AST	GNRTR
8	RHONE POULENC 9229 E MARGINAL WAY S SEATTLE, WA 98108	352887 0.52 Mi N		x >	5	x	•			•			•
9	METRO SOUTH BASE 11911 E. MARGINAL WAY S. SEATTLE, WA 98168	270233 0.85 Mi SE			x			•		-		•	1.



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D BOX 68727	2031330											
EATTLE, WA 98168	1					X			-			
HITE RIVER SYSTEMS	4287914	\vdash	+	┿	+	+-	\vdash	$\vdash \vdash$	+		+	\dashv
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DFT 002324

X = search criteria; • = tag-along (beyond search criteria).
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Report ID: 084038-001
Date of Report: September 13, 1995

Pege #7

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WASTE MANAGEMENT OF SEATTLE	4287932					1		x			. 1		
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NONE, WA 98000					1	٠.					^		ı
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P O BOX 80245					1						x		, · •
SEATTLE, WA 98108		1				1	1						j
SEA-TAC INTERNATIONAL AIRPORT	1839601	1	П	1	1	1							
PO BOX 68727					-	1	X.						
SEATTLE, WA 98168						L		17.0					



DETAILS

PROPERTY AND THE ADJACENT AREA (within 1/8 mile)

BOEING ADVANCED SYSTEMS CO OXBOW VISTA VISTA ID#. 52652 Address*: SIT Distance/Direction: 0.12 MI / SW 10700 W MARGINAL WAY S Plotted as: Point SEATTLE, WA 98168 RCRA-SmGen - RCRA-Small Generator / SRC# 2465 EPA ID: WAD981771017 Agency Address: BOEING ADVANCED SYSTEMS CO OXBOW SIT 10700 W MARGINAL WAY S SEATTLE, WA 98108 **Generator Class:** GENERATORS WHO GENERATE 100 KG MONTH BUT LESS THAN 1000 KG MONTH OF NON-ACUTELY HAZARDOUS WASTE

SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)

VISTA CO	NSTRUCTORS PAMO	OYARD	VISTA	ID#:	1846660
Address*: 102	215 EAST MARGINAL	WAY SO	Distance	ce/Direction:	0.22 MI / NE
SE_	ATTLE, WA 98168		Plotted	as:	Point
STATE UST - Sta	te Underground Storage	Tank / SRC# 2395	Agenc	v ID:	010266
Agency Address	s:	SAME AS ABOVE			10.0200
Underground Ta		6 1 - 4			· Address
Aboveground T		NOT REPORTED			
Tanks Removed		6			
Tank ID:	1	Tank St	atus:	REMOVED	··
Tank Contents:	USED OIL	Leak M	onitoring:	NOT AVAILAB	LE .
Tank Age:	NOT REPORTED	Tank Pi		NOT AVAILAB	LE -
Tank Size (Units		/AILABLE) Tank M		NOT AVAILAB	LE
Tank ID:	2	Tank St	atus:	REMOVED	197
Tank Contents:	LEADED GAS		onitoring:	NOT AVAILAB	LE
Tank Age:	NOT REPORTED	Tank Pi	_	NOT AVAILAB	LE
Tank Size (Units		(AILABLE) Tank Ma	aterial:	NOT AVAILAB	LE
Tank ID:	3	Tank St	atus:	REMOVED	
Tank Contents:	DIESEL	Leak Me	onitoring:	NOT AVAILAB	LE
Tank Age:	NOT REPORTED	Tank Pi		NOT AVAILAB	LE
Tank Size (Units): 5000 (GALLONS)	Tank Ma	_	NOT AVAILAB	LE
Tank ID:	4	Tank St	atus:	REMOVED	
Tank Contents:	LEADED GAS		onitoring:	NOT AVAILAB	LE
Tank Age:	NOT REPORTED	Tank Pi		NOT AVAILAB	LE
Tank Size (Units		AILABLE) Tank Ma		NOT AVAILABI	LE
ank ID:	5	Tank St		REMOVED	
ank Contents:	LEADED GAS		nitoring:	NOT AVAILABI	Æ
「ank Age:	NOT REPORTED	Tank Pi		NOT AVAILABI	Æ
Tank Size (Units)	: NOT REPORTED (NOT AV.	AILABLE) Tank Ma		NOT AVAILABI	



DFT 002326

Map ID

Map ID

 VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 084038-001 Date of Report: September 13, 1995 Version 2.4 Page #9

Tank ID:

6

Tank Status:

REMOVED

Tank Contents: Tank Age:

DIESEL NOT REPORTED Leak Monitoring: Tank Piping:

NOT AVAILABLE NOT AVAILABLE

Tank Size (Units):

NOT REPORTED (NOT AVAILABLE)

Tank Material:

NOT AVAILABLE

VISTA Address*: NORTHWEST AUTO WRECKING

10230 E. MARGINAL WAY S.

Distance/Direction: Plotted as:

1855686 0.23 MI / NE

SEATTLE, WA 98168

SCL - State Equivalent CERCLIS List / SRC# 2405

EPA/Agency ID:

VISTA ID#:

Agency Address:

NORTHWEST AUTO WRECKING

10230 E. MARGINAL WAY S. TUKWILA, WA 98168

Facility Type: Lead Agency: NOT AVAILABLE NOT AVAILABLE

State Status:

ACTIVE SITE

UNKNOWN

Pollutant 1:

EPA PRIORITY POLLUTANTS-METALS CYANIDE

Pollutant 2: Pollutant 3: Fields Not Reported:

UNKNOWN Status

VISTA Address*: CHEVRON STATION # 9-3099

3629309 0.23 MI / E

STATE LUST - State Leaking Underground Storage Tank / SRC#

10805 E MARGINAL WAY S

SEATTLE, WA 98168

Plotted as: Agency ID:

VISTA ID#:

Distance/Direction:

Point

2609

2609

101796

Point

N/A

Map ID

Map ID

2

2394 Agency Address:

CHEVRON STATION # 9-3099

10805 E MARGINAL WAY S TUKWILA, WA 98168-1931

NOT AVAILABLE

Tank Status: **Discovery Date:** Media Affected:

MARCH 28, 1990 GROUNDWATER

Leak Cause: Remedial Action: UNAVAILABLE NOT AVAILABLE

Remedial Status 1:

CLEANUP IN PROGRESS/REQUIRED

Remedial Status 2: Fields Not Reported: **NOT AVAILABLE** Substance, Quantity (Units), Leak Source

STATE LUST - State Leaking Underground Storage Tank / SRC# | Agency ID:

2497

CHEVRON STATION # 9-3099

Agency Address:

10805 EAST MARGINAL WAY S TUKWILA, WA 98108

Tank Status:

NOT AVAILABLE

Media Affected:

GROUNDWATER, POSSIBLE SOIL

Leak Cause:

UNAVAILABLE **NOT AVAILABLE**

Remedial Action:

CLEANUP IN PROGRESS/REQUIRED

Remedial Status 1: Remedial Status 2:

NOT AVAILABLE

Fields Not Reported:

Discovery Date, Substance, Quantity (Units), Leak Source

Agency ID:

STATE UST - State Underground Storage Tank / SRC# 2395 Agency Address:

CHEVRON STATION 600993099

10805 EAST MARGINAL WAY SOUTH **TUKWILA, WA 98108**

Underground Tanks:

Aboveground Tanks:

NOT REPORTED

Tanks Removed:

DFT 002327

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Tank ID:	1	Tank Status:	REMOVED	
Tank Contents:	DIESEL	Leak Monitoring:	NOT AVAILABLE	
Tank Age:	24	Tank Piping:	NOT AVAILABLE	
Tank Size (Units):	1100 (GALLONS)	Tank Material:	NOT AVAILABLE	
Tank ID:	2	Tank Status:	REMOVED	
Tank Contents:	DIESEL	Leak Monitoring:	NOT AVAILABLE	
Tank Age:	24	Tank Piping:	NOT AVAILABLE	
Tank Size (Units):	1100 (GALLONS)	Tank Material:	NOT AVAILABLE	

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)

VISTA Address*:	MCCONKEY PROPERTY 10710 E. MARGINAL WA SEATTLE, WA 98168	VY SOU	VISTA ID#: Distance/Direction: Plotted as:	4267292 0.25 MI / Point		Map ID
STATE LUST 2497	- State Leaking Undergrour	nd Storage Tank / SRC#	Agency ID:	2244		
Agency Ade	dress:	SAME AS ABOVE	<u> </u>	<u> </u>		
Tank Status	s:	NOT AVAILABLE				
Media Affec	cted:	SOILSANDLAND	•			
Leak Cause		UNAVAILABLE	• .			
Remedial A	ction:	NOT AVAILABLE				
Remedial S	tatus 4:	CONDUCTED WASHINGTON	N ONLY)	1 21		
Remedial S	tatus 2:	NOT AVAILABLE	Superior 1			
Fields Not F	Reported:	Discovery Date, Substance, Q	uantity (Units). Leak Source			

	STA ID#:	4040004	
	517.1Dm.	1846661	Map ID
Address*: 10710 E MARGINAL WAY SOUTH Dista	stance/Direction:	0.25 MI/E	
SEATTLE, WA 98168		Point	3
STATE LUST - State Leaking Underground Storage Tank / SRC# Ager 2394	ency ID:	2244	

Agency Address:

Tank Status:

Discovery Date:

Media Affected:

Leak Cause:

Remedial Action:

SAME AS ABOVE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

Remedial Status 1: CONDUCTED (WASHINGTON ONLY)

Remedial Status 2: NOT AVAILABLE

Fields Not Reported: Substance, Quantity (Units), Leak Source

DFT 002328

VISTA	SEA TAC FORD TRUCK S	SALES INC	VISTA ID#:	373065
Address*:	11000 PACIFIC HWY S		Distance/Direction:	0.28 MI / SE
	SEATTLE, WA 98168		Plotted as:	Point
TATE LUS 394	T - State Leaking Underground	Storage Tank / SRC#	Agency ID:	2134
Agency Ad Tank Statu		SEA-TAC FORD TRUCK SAL 11000 PACIFIC HWY S SEATTLE, WA 98168 NOT AVAILABLE	ES INC	
Discovery I	Date:	DECEMBER 10, 1990	•	
Media Affe		SOIL/SAND/LAND		
Leak Cause	e:	UNAVAILABLE		
Remedial A	Action:	NOT AVAILABLE		
Remedial S	Status 1:	CONDUCTED (WASHINGTO	N ONLY)	
Remedial S	Status 2:	NOT AVAILABLE		
Fields Not I	Reported:	Substance, Quantity (Units), L	eak Source	
TATE LUST 497	F - State Leaking Underground	Storage Tank / SRC#	Agency ID:	2134
Agency Ad	dress:	FORD TRUCK SALES 11000 PACIFIC HWY SOUTH SEATTLE, WA 98168	,	
Tank Status	s:	NOT AVAILABLE		
Media Affec	cted:	SOIL/SAND/LAND		
Leak Cause	9:	UNAVAILABLE		
Rem ed ial A	ction:	NOT AVAILABLE		
Remedial S	tatus 1:	CONDUCTED (WASHINGTO	N ONLY)	
Remedial S	tatus 2:	NOT AVAILABLE		
Fields Not 1	Reported:	Discovery Date, Substance, Q	uentity (Units), Leak Source	

Address*:	SEATTLE, WA 90100	VISTA ID#: Distance/Direction: Plotted as:	1855691 0.33 MI / NE Point
STATE LUST 2497	「- State Leaking Underground Storage Tank / SRC#	Agency ID:	2212

Map ID

Map ID

Agency Address:

ASSOCIATED GROCERS HUMBLE STAT

10056 E MARGINAL WAY SOUT

TUKWLA, WA 98168

Tank Status: Media Affected: NOT AVAILABLE

Media Affected: Leak Cause: GROUNDWATER, POSSIBLE SOIL

Remedial Action:

UNAVAILABLE NOT AVAILABLE

Remedial Status 1:

CLEANUP IN PROGRESS/REQUIRED

Remedial Status 2:

NOT AVAILABLE

Fields Not Reported:

Discovery Date, Substance, Quantity (Units), Leak Source



VISTA	OLD	HUMBLE STATION		VISTA ID#:	1846659	Map II
Address*:	10056	E MARGINAL WAY	SOUTH .	Distance/Direction:	0.33 MI / NE	11 _
	SEAT	TLE, WA 98168		Plotted as:	Point	5
STATE LUS 2394	T - State	Leaking Undergroun	d Storage Tank / SRC	Agency ID:	2212	<u> </u>
Agency Ad	dress:		OLD HUMBLE STATION		<u> </u>	1
			10056 E MARGINAL WAY S	SOUTH		
Tank Statu	e•		TUKWILA, WA 98168 NOT AVAILABLE			
Discovery			AUGUST 4, 1989			
Media Affe			GROUNDWATER			
Leak Caus	5.77		UNAVAILABLE			
Remedial A			NOT AVAILABLE		•	
				250.0050		*
Remedial Status 1: Remedial Status 2:		CLEANUP IN PROGRESS/REQUIRED NOT AVAILABLE				
Fields Not			Substance, Quantity (Units),		•	
		= '	The state of the s			J
VISTA	BOEIN	IG COMPANY DEVI	ELOPMENT	VISTA ID#;	52656	Map II
Address*:	CENT	ER		Distance/Direction:	0.36 MI / N	
	9725 E	MARGINAL WAY	s	Plotted as:	Point	5
		TLE, WA 98108				
ERCLIS / S				EPA ID:	WAD093639946	
Agency Ade			BOEING COMPANY DEVEL		T*************************************	
• 1	•		9725 E MARGINAL WAYS			1
NPL Status	•		SEATTLE, WA 98124 NOT A PROPOSED, CURRENT, OR DELETED NPL SITE			
Site Owner:			OTHER	SITT, OK DELETED INPL SITE	5	
Lead Agend			NO DETERMINATION		and the second second	
Site Descri			NOT REPORTED		•	
Event Type:		Lead Agency:		Start Date:	Completion Date:	!
DISCOVERY		EPA FUND-FINANCED		NOT REPORTED	NOVEMBER 18, 1980	
						"
PRELIMINARY		STATE, FUND FINANCED	UNKNOWN	APRIL 16, 1985	APRIL 30, 1985	!
SSESSMENT		Marinette (1997) The Marinette (1997)			•	
RELIMINARY		EPA FUND-FINANCED	NO FURTER REMEDIAL	MAY 27, 1988	MAY 27, 1988	!
SSESSMENT			ACTION PLANNED	·, · · · = • • • • • •]



CORRACTS / SRC# 2465	**************************************	EPA ID:	WAD093639946
Agency Address:	BOEING CO DEVELOPMEN		2
	9725 E MARGINAL WAYS	4. A. A. A. A. A. A. A. A. A. A. A. A. A.	
Prioritization Status:	SEATTLE, WA 98108 HIGH		
RCRA Facility Assessment Completed:	YES		
Notice of Contamination:	NO		
Determination of need For a RFI (RCRA	NO		
Facility Investigation):	<i>1</i> 10		
	NO		
RFI Imposed:			
RFI Workplan Notice of Deficiency	NO	•	
1			
RFI Workplan Approved:	NO		
RFI Report Received:	NO		
RFI Approved:	NO		
No Further Corrective Action at this	NO		
Time:	VER		
Stabilization Mesaures Evaluation:	YES		the state of the s
CMS (Corrective Measure Study)	NO		12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Imposition:	110		
CMS Workplan Approved:	NO	•	
CMS Report Received:	NO		
CMS Approved:	NO		
Date for Remedy Selection (CM	NO		
Imposed):			
Corrective Measures Design Approved:	NO		
Corrective Measures Investigation	NO		
Workplan Approved:	NO		
Certification of Remedy Completion:	NO		
Stabilization Measures Implementation:	YES		
Stabilization Measures Completed:	NO		
Corrective Action Process Termination: RCRA-TSD / SRC# 2465	NO	Television in the second	
Agency Address:	BOEING CO OCUEL ODUENS	EPA ID:	WAD093639946
Agency Address.	BOEING CO DEVELOPMENT 9725 E MARGINAL WAYS	IAL CIR	
	SEATTLE, WA 98108		
Off-Site Waste Received:	NO		
Land Disposal:	NO		
Incinerator:	NO		
Storage/Treatment:	YES		
STATE LUST - State Leaking Underground	Storage Tank / SRC#	Agency ID:	1476
2497		1	
		<u> </u>	
Agency Address:	BOEING DEVELOPMENTAL		
	BOEING DEVELOPMENTAL 9725 EAST MARGINAL WAY SEATTLE, WA 98108		
Agency Address:	9725 EAST MARGINAL WAY		
Agency Address: Tank Status:	9725 EAST MARGINAL WAY SEATTLE, WA 98108	so	
Agency Address: Tank Status: Media Affected:	9725 EAST MARGINAL WAY SEATTLE, WA 98108 NOT AVAILABLE	so	
	9725 EAST MARGINAL WAY SEATTLE, WA 98108 NOT AVAILABLE GROUNDWATER, POSSIBLE	so	
Agency Address: Tank Status: Media Affected: Leak Cause: Remedial Action:	9725 EAST MARGINAL WAY SEATTLE, WA 98108 NOT AVAILABLE GROUNDWATER, POSSIBLE UNAVAILABLE NOT AVAILABLE	SO E SOIL	
Agency Address: Tank Status: Media Affected: Leak Cause:	9725 EAST MARGINAL WAY SEATTLE, WA 98108 NOT AVAILABLE GROUNDWATER, POSSIBLE UNAVAILABLE	SO E SOIL	



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STATE LUST - State Leaking Underground Storage Tank / SRC# | Agency ID: 2557 2497 Agency Address: **BOEING ISAACSON THOMPSON** 8701 E MARGINAL WAY SEATTLE, WA 98108 Tank Status: NOT AVAILABLE Media Affected: SOIL/SAND/LAND Leak Cause: UNAVAILABLE Remedial Action: NOT AVAILABLE CLEANUP IN PROGRESS/REQUIRED Remedial Status 1: Remedial Status 2: **NOT AVAILABLE** Fields Not Reported: Discovery Date, Substance, Quantity (Units), Leak Source

VISTA DIMENSIONAL ENGINEERING VISTA ID#: 122453 Address*: 9407 E MARGINAL WY Distance/Direction: 0.38 MI / N Plotted as: Point SEATTLE, WA 98108 CERCLIS / SRC# 2510 EPA ID: WAD079247474 Agency Address: SAME AS ABOVE **NPL Status:** NOT A PROPOSED, CURRENT, OR DELETED NPL SITE Site Ownership: OTHER NO DETERMINATION Lead Agency: Site Description: NOT REPORTED Lead Agency: Event Type: **Event Status:** Start Date: **Completion Date:** DISCOVERY EPA FUND-FINANCED UNKNOWN NOT REPORTED DECEMBER 1, 1982 PRELIMINARY STATE, FUND FINANCED UNKNOWN SEPTEMBER 24, 1984 SEPTEMBER 26, 1984 ASSESSMENT **SCREENING SITE** EPA FUND-FINANCED NO FURTER REMEDIAL **AUGUST 1, 1985 DECEMBER 18, 1985** INSPECTION **ACTION PLANNED**

				n i y
	PONY EXPRESS COURIER CORPORATION	VISTA ID#:	1846662	Мар
	11004 E MARGINAL WY S.	Distance/Direction:	0.35 MI / SE	
	SEATTLE, WA 98168	Plotted as:	Point	6
STATE LUS 2394	T - State Leaking Underground Storage Tank / SRC#	Agency ID:	3928	<u>L</u>
Agency Ad	dress: SAME AS ABOVE	* 		
Tamle Chades	NOT AVAILABLE			

p ID

Map ID

5

:Tank Status: NOT AVAILABLE **Discovery Date:** OCTOBER 6, 1992 Media Affected: SOIL/SAND/LAND Leak Cause: UNAVAILABLE Remedial Action: NOT AVAILABLE Remedial Status 1:

CONDUCTED (WASHINGTON ONLY)

Remedial Status 2: NOT AVAILABLE

Fields Not Reported: Substance, Quantity (Units), Leak Source



DFT 002332

 VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 084038-001 Date of Report: September 13, 1995 Version 2.4 Page #15

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

STATE LUST - State Leaking Underground Storage Tank / SRC# 3928 2497

PONY EXPRESS Agency Address:

11004 E MARGINAL WY S. SEATTLE, WA 98168

Tank Status: NOT AVAILABLE SOIL/SAND/LAND Media Affected: **UNAVAILABLE** Leak Cause: NOT AVAILABLE Remedial Action:

CONDUCTED (WASHINGTON ONLY) Remedial Status 1:

NOT AVAILABLE Remedial Status 2:

Discovery Date, Substance, Quantity (Units), Leak Source Fields Not Reported:

VISTA VISTA ID#: YELLOW FREIGHT TERMINAL/TKWILA 1846664 0.37 MI/SE Address*: Distance/Direction: 11231 E. MARGINAL WAY S. Point Plotted as: SEATTLE, WA 98168 SCL - State Equivalent CERCLIS List / SRC# 2405 EPA/Agency ID: N/A

Agency Address: YELLOW FREIGHT TERMINAL/TKWLA

11231 E. MARGINAL WAY S.

TUKWILA, WA 98168 **Facility Type:** NOT AVAILABLE NOT AVAILABLE Lead Agency:

State Status: INDEPENDENT REMEDIAL ACTION, FINAL INDEPENDENT RA REPORT RECEIVED

Pollutant 1: EPA PRIORITY POLLUTANTS-METALS CYANIDE

Pollutant 2: UNKNOWN UNKNOWN Pollutant 3: Fields Not Reported: Status

STATE LUST - State Leaking Underground Storage Tank / SRC# | Agency ID: 1505

2394 YELLOW FREIGHT SYSTEM INC Agency Address:

11231 E MARGINAL WAY SOUTH SEATTLE, WA 98168 NOT AVAILABLE **Tank Status:**

OCTOBER 18, 1989 **Discovery Date:** Media Affected: SOIL/SAND/LAND Leak Cause: UNAVAILABLE NOT AVAILABLE Remedial Action:

CONDUCTED (WASHINGTON ONLY) Remedial Status 1:

NOT AVAILABLE Remedial Status 2:

Substance, Quantity (Units), Leak Source Fields Not Reported:

STATE LUST - State Leaking Underground Storage Tank / SRC# | Agency ID: 1505

2497

YELLOW FREIGHT SEATTLE **Agency Address:**

11231 E MARGINAL WAY SOUT SEATTLE, WA 98168

Tank Status: NOT AVAILABLE Media Affected: SOIL/SAND/LAND Leak Cause: UNAVAILABLE Remedial Action: NOT AVAILABLE

CONDUCTED (WASHINGTON ONLY) Remediai Status 1:

Remedial Status 2: **NOT AVAILABLE**

Fields Not Reported: Discovery Date, Substance, Quantity (Units), Leak Source



DFT 002333

. .

Map ID

6

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

VISTA FARWEST TAXI FACILITY VISTA ID#: 4267293 Address*: 11180 E MARGINAL WAY Distance/Direction: 0.42 MI / SE Plotted as: Point SEATTLE, WA 98168 STATE LUST - State Leaking Underground Storage Tank / SRC# Agency ID: 1533 2497 SAME AS ABOVE **Agency Address:** Tank Status: **NOT AVAILABLE** Media Affected: SOIL/SAND/LAND Leak Cause: UNAVAILABLE -Remedial Action: NOT AVAILABLE Remedial Status 1: -CONDUCTED (WASHINGTON ONLY) Remedial Status 2: NOT AVAILABLE Fields Not Reported: Discovery Date, Substance, Quantity (Units), Leak Source

VISTA Address*: FARWEST TAXI FACILITY
11180 E MARGINAL WAY
SEATTLE, WA 98168

STATE LUST - State Leaking Underground Storage Tank / SRC# Agency ID: 1533

Agency Address:

Tank Status:

Discovery Date:

Media Affected:

Leak Cause:

Remedial Action:

Remedial Status 1:

SAME AS ABOVE

NOT AVAILABLE

NOT AVAILABLE

CONDUCTED (WASHINGTON ONLY)

Remedial Status 2: NOT AVAILABLE
Fields Not Reported: Substance, Quantity (Units), Leak Source

SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)

VISTA RHONE POULENC 352887 VISTA ID# Address*: 9229 E MARGINAL WAY S Distance/Direction: 0.52 MI / N Plotted as: Point SEATTLE, WA 98108 SCL - State Equivalent CERCLIS List / SRC# 2405 EPA/Agency ID: N/A Agency Address: RHONE-POULENC INC.

Facility Type:

Lead Agency:

State State State

9229 E MARGINAL WY S
SEATTLE, WA 98108
NOT AVAILABLE
NOT AVAILABLE

State Status: ACTIVE SITE

Pollutant 1: EPA PRIORITY POLLUTANTS-METALS CYANIDE UNKNOWN

Pollutant 3: UNKNOWN
Fields Not Reported: Status

DFT 002334

Map ID

Map ID

7

Map ID

8

* VISTA address includes enhanced city and ZIP.
For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.
Report ID: 084038-001
Date of Report: September 13, 1995

Pege #17

SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile) CONT.

CORRACTS / SRC# 2465		EPA ID:	WAD009282302
Agency Address:	RHONE POULENC INC 9229 E MARGINAL WAY S SEATTLE, WA 981084031		
Prioritization Status:	HIGH		
RCRA Facility Assessment Completed:	YES		
Notice of Contamination:	NO		
Determination of need For a RFI (RCRA	YES		
Facility Investigation):			
RFI Imposed:	YES		
	NO		
issued:			
RFI Workplan Approved:	YES		
RFI Report Received:	NO		
RFI Approved:	NO		•
No Further Corrective Action at this	NO		
Time:			
Stabilization Mesaures Evaluation:	YES		
CMS (Corrective Measure Study)	NO		The second second second second
Imposition:			
CMS Workplan Approved:	NO		•
CMS Report Received:	NO		
CMS Approved:	NO		
Date for Remedy Selection (CM	NO		
Imposed):			
Corrective Measures Design Approved:	NO		
Corrective Measures Investigation	NO		
Workplan Approved:			
Certification of Remedy Completion:	NO		
Stabilization Measures Implementation:	YES		
Stabilization Measures Completed:	NO		en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la co
Corrective Action Process Termination:	NO	- 1	livia Daggagaga
RCRA-TSD / SRC# 2465		EPA ID:	WAD009282302
Agency Address:	RHONE POULENC INC 9229 E MARGINAL WAY S SEATTLE, WA 98108		
Off-Site Waste Received:	NO		
Land Disposal:	NO		
Incinerator:	NO		
Storage/Treatment:	NO		

VISTA Address*:	METRO SOUTH BASE 11911 E. MARGINAL WAY S. SEATTLE, WA 98168	VISTA ID#: Distance/Direction: Plotted as:	270233 0.85 MI / SE Point	Map ID
SPL - State	Equivalent Priority List / SRC# 2406	EPA/Agency ID:	N/A	<u> </u>
Agency Ac	Idross: SAME AS ABOVE			1

SEATTLE, WA 98	3168	Flotted as.	Font	
SPL - State Equivalent Priority L	ist / SRC# 2406	EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE	•		
Facility Type:	NOT AVAILABLE			1 1 1
Lead Agency:	NOT AVAILABLE			
State Status:	INDEPENDENT REM	1EDIAL ACTION		
Pollutant 1:	EPA PRIORITY POLL	LUTANTS-METALS CYANIDE		
Pollutant 2:	UNKNOWN			
Pollutant 3:	UNKNOWN			
Fields Not Reported:	Status			



UNMAPPED SITES

VISTA MT OLIVET LAI	NDFILL	VISTA ID#:	4287769
Address*: WA			
STATE SWLF - Solid Waste Lar		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility Type:	RUBBLE FILL (DEMO,ETC	C)	
Facility Status:	NOT AVAILABLE		
Permit Status:	NOT AVAILABLE		
VICTA INCOME			
VISTA NORTH SEATT	LE	VISTA ID#:	4287783
Address*: WA			
STATE SWLF - Solid Waste Lar	ndfill / SRC# 2053	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility Type:	TRANSFER STATION		
Facility Status:	NOT AVAILABLE	. * _	
Permit Status:	NOT AVAILABLE	·	
TATE SWLF - Solid Waste Lan		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility Type:	TRANSFER STATION		
Facility Status:	· NOT AVAILABLE	•	and the second
Permit Status:	NOT AVAILABLE		
VISTA ALGONA TRAN	SEED STATION	MOTATOR	14007540
	SPEK STATION	VISTA ID#:	4287548
117			
TATE SWLF - Solid Waste Lan		EPA/Agency ID:	N/A
	SAME AS ABOVE	.,	
Agency Address: Facility Type:	TRANSFER STATION	and the second of the second	
Facility Type: Facility Status:	TRANSFER STATION NOT AVAILABLE	en en en en en en en en en en en en en e	
	TRANSFER STATION		
Facility Type: Facility Status: Permit Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE		4287805
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST	TRANSFER STATION NOT AVAILABLE	VISTA ID#:	4287805
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE COAL COMPANY	VISTA ID#:	
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053		4287805 N/A
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Adfill / SRC# 2053 SAME AS ABOVE	VISTA ID#:	
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE	VISTA ID#:	
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE	VISTA ID#:	
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE	VISTA ID#:	
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE	VISTA ID#: EPA/Agency ID:	N/A -
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE	VISTA ID#:	
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE ACK RIVER T.S.	VISTA ID#: EPAVAgency ID: VISTA ID#:	N/A - 5165394
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Lane	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE ACK RIVER T.S.	VISTA ID#: EPA/Agency ID:	N/A -
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Land Agency Address:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE ACK RIVER T.S. Idfill / SRC# 2053	VISTA ID#: EPAVAgency ID: VISTA ID#:	N/A - 5165394
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE ACK RIVER T.S. Idfill / SRC# 2053 SAME AS ABOVE TRANSFER STATION	VISTA ID#: EPAVAgency ID: VISTA ID#:	N/A - 5165394
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Type: Facility Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE ACK RIVER T.S. Idfill / SRC# 2053 SAME AS ABOVE	VISTA ID#: EPAVAgency ID: VISTA ID#:	N/A - 5165394
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Type: Facility Type: Facility Status: Permit Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE	VISTA ID#: EPAVAgency ID: VISTA ID#:	N/A - 5165394
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type: Facility Type: Facility Type: Facility Status: Permit Status: Permit Status: Permit Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE	VISTA ID#: EPA/Agency ID: VISTA ID#: EPA/Agency ID:	N/A - 5165394 N/A
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type: Facility Type: Facility Type: Facility Type: Facility Status: Permit Status: Permit Status:	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE	VISTA ID#: EPAVAgency ID: VISTA ID#:	N/A - 5165394
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST WA TATE SWLF - Solid Waste Lan Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Lane Agency Address: Facility Type: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Lane Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - 3RD Address*: WA	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE	VISTA ID#: EPAVAgency ID: VISTA ID#: EPAVAgency ID:	N/A - 5165394 N/A 4287830
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLAND Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type: Facility Type: Facility Status: Permit Status: VISTA RABANCO - 3RD Address*: WA TATE SWLF - Solid Waste Land Address*: WA TATE SWLF - Solid Waste Land	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE ACK RIVER T.S. Idfill / SRC# 2053 SAME AS ABOVE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE	VISTA ID#: EPA/Agency ID: VISTA ID#: EPA/Agency ID:	N/A - 5165394 N/A
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type: Facility Type: Facility Status: Permit	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE	VISTA ID#: EPAVAgency ID: VISTA ID#: EPAVAgency ID:	N/A - 5165394 N/A 4287830
Facility Type: Facility Status: Permit Status: VISTA	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE ACK RIVER T.S. Idfill / SRC# 2053 SAME AS ABOVE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE TRANSFER STATION SAME AS ABOVE TRANSFER STATION	VISTA ID#: EPAVAgency ID: VISTA ID#: EPAVAgency ID:	N/A - 5165394 N/A 4287830
Facility Type: Facility Status: Permit Status: VISTA PACIFIC COAST Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type: Facility Status: Permit Status: VISTA RABANCO - BLA Address*: WA TATE SWLF - Solid Waste Land Agency Address: Facility Type: Facility Type: Facility Status: Permit	TRANSFER STATION NOT AVAILABLE NOT AVAILABLE T COAL COMPANY Idfill / SRC# 2053 SAME AS ABOVE SPECIAL WASTE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE	VISTA ID#: EPAVAgency ID: VISTA ID#: EPAVAgency ID:	N/A - 5165394 N/A 4287830



2336

* VISTA address includes enhanced city and ZIP.
For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 084038-001 Version 2.4 Date of Report: September 13, 1995

UNMAPPED SITES CONT.

STATE SWLF - Solid Waste Landfill / SRC# 2053 | EPA/Agency ID: | N/A |
Agency Address:	SAME AS ABOVE
Facility Type:	TRANSFER STATION
Facility Status;	NOT AVAILABLE
Permit Status:	NOT AVAILABLE

VISTA PORT OF SEATTLE PAN AM HANGAR
Address*: PO BOX 68727
SEATTLE, WA 98168

STATE LUST - State Leaking Underground Storage Tank / SRC# Agency ID: 2826
2497

Agency Address: PORT OF SEATTLE PAN AM HANGAR
PO BOX 68727

Tank Status:

Media Affected:

SEATAC, WA 98168

NOT AVAILABLE

SOIL/SAND/LAND

Media Affected: SOIL/SAND/LAND

Remedial Action: NOT AVAILABLE

Remedial Status 1: CONDUCTED (WASHINGTON ONLY)

Remedial Status 2: NOT AVAILABLE
Fields Not Reported: Discovery Date, Substance

VISTA SEA-TAC PAN AM FUEL FARM VISTA ID#: 4266848

PO BOX 68727
SEATTLE, WA 98168

STATE LUST - State Leaking Underground Storage Tank / SRC# Agency ID: 1913

Agency Address: SEA-TAC PAN AM FUEL FARM PO BOX 68727

Tank Status:

Media Affected:

Remedial Action:

SEATAC, WA 98168

NOT AVAILABLE

SOIL/SAND/LAND

NOT AVAILABLE

Remedial Action: NOT AVAILABLE
Remedial Status 1: CLEANUP IN PROGRESS/REQUIRED

Remedial Status 2: NOT AVAILABLE
Fields Not Reported: Discovery Date, Substance

STATE LUST - State Leaking Underground Storage Tank / SRC# | Agency ID: 4111

Agency Address: SEA-TAC PAN AM AV-GAS TANKS PO BOX 68727

Tank Status:

Media Affected:

Remedial Action:

SEATAC. WA 98168

NOT AVAILABLE

SOIL/SAND/LAND

NOT AVAILABLE

Remedial Status 1: CLEANUP IN PROGRESS/REQUIRED

Remedial Status 2: NOT AVAILABLE
Fields Not Reported: Discovery Date, Substance

VISTA	RENTON TRANSFER STATION	VISTA ID#:	4287844
Address*:	WA - All and a second second		·
STATE SWL	F - Solid Waste Landfill / SRC# 2053	EPA/Agency ID:	N/A
A A -	SAME AS ABOVE		

Agency Address:

Facility Type:

Facility Status:

Permit Status:

SAME AS ABOVE

TRANSFER STATION

NOT AVAILABLE

NOT AVAILABLE



UNMAPPED SITES CONT. VISTA **BOW LAKE TRANSFER STATION** VISTA ID#: 4287593 Address*: STATE SWLF - Solid Waste Landfill / SRC# 2053 N/A **EPA/Agency ID:** SAME AS ABOVE Agency Address: TRANSFER STATION Facility Type: NOT AVAILABLE **Facility Status:** Permit Status: NOT AVAILABLE VISTA CEDAR FALLS DROP BOX SITE VISTA ID#: 4287598 Address*: STATE SWLF - Solid Waste Landfill / SRC# 2053 EPA/Agency ID: N/A SAME AS ABOVE Agency Address: RESOURCE RECOVERY (RECYCLING) Facility Type: **Facility Status:** NOT AVAILABLE Permit Status: NOT AVAILABLE VISTA CEDER GROVE COMPOSTING CO VISTA ID#: 4287599 Address*: STATE SWLF - Solid Waste Landfill / SRC# 2053 EPA/Agency ID: N/A Agency Address: SAME AS ABOVE Facility Type: COMPOSTING FACILITY Facility Status: NOT AVAILABLE Permit Status: NOT AVAILABLE STATE SWLF - Solid Waste Landfill / SRC# 2053 **EPA/Agency ID:** N/A Agency Address: SAME AS ABOVE Facility Type: RUBBLE FILL (DEMO,ETC) Facility Status: NOT AVAILABLE Permit Status: NOT AVAILABLE **VISTA** CEDAR HILLS LANDFILL VISTA ID#: 4287600 Address*: STATE SWLF - Solid Waste Landfill / SRC# 2053 EPA/Agency ID: N/A Agency Address: SAME AS ABOVE SANITARY LANDFILLANDFILL Facility Type: Facility Status: NOT AVAILABLE Permit Status: PERMITTED/LICENSED VISTA VISTA ID#: SEA-TAC CRAWFORD AVIATION 4686193 Address*: SEA-TAC INTERNATIONAL AIRPORT SEATTLE, WA 98168 STATE LUST - State Leaking Underground Storage Tank / SRC# | Agency ID: 4780 2394 Agency Address: SEA-TAC CRAWFORD AVIATION SEA-TAC INTERNATIONAL AIRPORT SEATAC, WA 98168-0727 Tank Status: NOT AVAILABLE **Discovery Date:** JUNE 22, 1993 Media Affected: SOIL/SAND/LAND Remedial Action: NOT AVAILABLE CONDUCTED (WASHINGTON ONLY) Remedial Status 1: Remedial Status 2: **NOT AVAILABLE** Fields Not Reported: Substance



U	NMAPPED SITES CONT	•	
STATE LUST - State Leaking Underground 2497	d Storage Tank / SRC#	Agency ID:	4780
Agency Address: , Tank Status:	SEA-TAC CRAWFORD AVIAT SEA-TAC INTERNATIONAL A SEATAC, WA 98168 NOT AVAILABLE		
Media Affected: Remedial Action:	SOIL/SAND/LAND NOT AVAILABLE		
Remedial Status 1: Remedial Status 2:	CONDUCTED (WASHINGTON NOT AVAILABLE Discovery Date, Substance	N ONLY)	
Fields Not Reported: VISTA SKYKOMISH DROP BOX	Discovery Date, Constance	VISTA ID#:	4287859
Address*: WA TATE SWLF - Solid Waste Landfill / SRC	H 20.53	EPA/Agency ID:	N/A
Agency Address: Facility Type: Facility Status: Permit Status:	SAME AS ABOVE RESOURCE RECOVERY (RE NOT AVAILABLE NOT AVAILABLE		
VISTA SILVIGROW Address*: WA		VISTA ID#:	4287864
Agency Address: Facility Type: Facility Status: Permit Status:	SAME AS ABOVE SLUDGE PROCESSING NOT AVAILABLE NOT AVAILABLE		
VISTA SOUTH SEATTLE T.S. Address*: WA		VISTA ID#:	4287880
TATE SWLF - Solid Waste Landfill / SRC#	¥ 2053	EPA/Agency ID:	N/A
Agency Address: Facility Type: Facility Status:	SAME AS ABOVE TRANSFER STATION NOT AVAILABLE		
Permit Status: TATE SWLF - Solid Waste Landfill / SRC#	NOT AVAILABLE	EPA/Agency ID:	IN/A
Agency Address: -acility Type: -acility Status: -ermit Status:	SAME AS ABOVE TRANSFER STATION NOT AVAILABLE NOT AVAILABLE	,	
VISTA STEVENS PASS Address*: WA		VISTA ID#:	4287885
TATE SWLF - Solid Waste Landfill / SRC#	2053	EPA/Agency ID:	N/A
Agency Address: Facility Type: Facility Status:	SAME AS ABOVE SLUDGE PROCESSING NOT AVAILABLE		



		UNMAPPED SITES CON	т.	
VISTA	SW SUBURBAN SEW	ER DISTRICT	VISTA ID#:	4287889
Address*:	lwa .			
STATE SWL	F - Solid Waste Landfill / !	SRC# 2053	EPA/Agency ID:	N/A
Agency Ad		SAME AS ABOVE		
Facility Type	oe:	COMPOSTING FACILITY		
Facility Sta	itus:	NOT AVAILABLE		
Permit Stat		NOT AVAILABLE		
	F - Solid Waste Landfill / 9		EPA/Agency ID:	N/A
Agency Ad		SAME AS ABOVE		
Facility Typ		RUBBLE FILL (DEMO,ETC)	- -	
Facility Sta		NOT AVAILABLE		
Permit Stat	us:	NOT AVAILABLE	· · · · · · · · · · · · · · · · · · ·	
VISTA	MACHON ICLAND OLL	IDCE CITE	IVICTA ID#	14007000
Address*:	VASHON ISLAND SLL	INGE SHE	VISTA ID#:	4287906
	WA	·	<u> </u>	
	F - Solid Waste Landfill / S		EPA/Agency ID:	N/A
Agency Ad		SAME AS ABOVE		
Facility Typ		SLUDGE PROCESSING		
Facility Sta Permit Stat		NOT AVAILABLE NOT AVAILABLE		
Permit Stat	us:	NOT AVAILABLE	<u> </u>	
VISTA	PAN AMERICAN WOR	I D AIRWAY-SEATAC	VISTA ID#:	5397930
Address*:	PO BOX 68727	CD AIITHAI-SEATAS	\(\frac{\tau_{10}}{1}\)	- 3007000
	SEATTLE, WA 98168			
TATELLICI		ound Storage Tank / SRC#	Acasa (D)	4040
394	- State Leaking Officergit	bund Storage Tank/SRC#	Agency ID:	1913
Agency Ado	dress:	PAN AMERICAN WORLD AIR	RWAY-SEATAC	
•		PO BOX 68727		
Tank Status	•	SEATAC, WA 98168-0727 NOT AVAILABLE		
Discovery D		JANUARY 16, 1991		
Media Affec		SOIL/SAND/LAND		
Remedial A		NOT AVAILABLE		
Remedial S	tatus 1:	CLEANUP IN PROGRESS/RE	EQUIRED	
Remedial S	tatus 2:	NOT AVAILABLE		
ields Not F	Reported:	Substance		
CTA			1	
/ISTA	WHITE RIVER SYSTE	MS	VISTA ID#:	4287914
\ddress*:	WA	<u></u>		
	- Solid Waste Landfill / S		EPA/Agency ID:	N/A
Agency Ado		SAME AS ABOVE		
acility Typ	e:	EXEMPT		
acility Stat		NOT AVAILABLE		
ermit Statu		NOT AVAILABLE	1	
	- Solid Waste Landfill / S		EPA/Agency ID:	N/A
gency Add		SAME AS ABOVE	11 - 12 - 12 - 12 - 12 - 12 - 12	
acility Type		SPECIAL WASTE	ŧ	
acility Stat		NOT AVAILABLE		
ermit Statu	IS:	NOT AVAILABLE		



DFT 002340

* VISTA address includes enhanced city and ZIP.
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. <u> </u>	UNMAPPED SITES CON	T	1100
VISTA DUVALL		VISTA ID#:	4287663
Address*: WA		<u> </u>	
STATE SWLF - Solid Waste Landfill	/ SPC# 2053	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE	TEI AAgeney 10.	TIMA.
Facility Type:	SURFACE APPLICATION		,
Facility Status:	NOT AVAILABLE		
Permit Status:	NOT AVAILABLE		
STATE SWLF - Solid Waste Landfill		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE	<u> </u>	11.00
Facility Type:	SPECIAL WASTE		
Facility Status:	NOT AVAILABLE		
Permit Status:	NOT AVAILABLE		
VISTA EUNEMCLAW SLUE	GE SITE	VISTA ID#:	4287670
Address*: WA	and the second s		
STATE SWLF - Solid Waste Landfill		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility Type:	SLUDGE PROCESSING		
Facility Status:	NOT AVAILABLE		
Permit Status:	NOT AVAILABLE		•*
VISTA EASTMONT TRANS	FER STATION	VISTA ID#:	4287671
Address*: WA			
STATE SWLF - Solid Waste Landfill		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility Type:	TRANSFER STATION		
Facility Status:	NOTAVAILABLE		No.
Permit Status:	NOT AVAILABLE		
VISTA FACTORIA TRANSF	ED CTATION	IVICTA ID#	4287673
	ERSIATION	VISTA ID#:	420/0/3

STATE SWLF - Solid Waste Landfill		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility Type:	TRANSFER STAΠON NOT AVAILABLE		the state of the s
Facility Status:	NOT AVAILABLE		
Permit Status:	ITO I AVAILABLE		
VISTA WASTE MANAGEME	NT - PAINIED	VISTA ID#:	4287931
Address*: WA	-it i - i - i - i - i - i - i - i - i -	TIOTA IOTA	
STATE SWLF - Solid Waste Landfill	SDC# 2053	EDAMAS = TO	N/A
Agency Address:	SAME AS ABOVE	EPA/Agency ID:	N/A
Facility Type:	COMPOSTING FACILITY		
Facility Status:	NOT AVAILABLE		
Permit Status:	NOT AVAILABLE		4
STATE SWLF - Solid Waste Landfill /		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE	ILFANGETICY ID.	11414
ingelicy neutros.	···· / · · · · · · · · · · · · · ·		
Facility Type:			
Facility Type:	RUBBLE FILL (DEMO,ETC)		
Facility Type: Facility Status: Permit Status:			



UNMAPPED SITES CONT. WASTE MANAGEMENT OF SEATTLE VISTA VISTA ID#; 4287932 Address*: WA STATE SWLF - Solid Waste Landfill / SRC# 2053 EPA/Agency ID: N/A Agency Address: SAME AS ABOVE Facility Type: RESOURCE RECOVERY (RECYCLING) **Facility Status:** NOT AVAILABLE Permit Status: NOT AVAILABLE STATE SWLF - Solid Waste Landfill / SRC# 2053 EPA/Agency ID: NA Agency Address: SAME AS ABOVE Facility Type: RESOURCE RECOVERY (RECYCLING) NOT AVAILABLE **Facility Status:** Permit Status: NOT AVAILABLE VISTA FIRST NORTHEAST T.S. VISTA ID#: 4287686 Address*: WA STATE SWLF - Solid Waste Landfill / SRC# 2053 EPA/Agency ID: N/A Agency Address: SAME AS ABOVE Facility Type: TRANSFER STATION **Facility Status:** NOT AVAILABLE Permit Status: NOT AVAILABLE VISTA GRO-CO VISTA ID# 4287694 Address*: WA STATE SWLF - Solid Waste Landfill / SRC# 2053 EPA/Agency ID: N/A Agency Address: SAME AS ABOVE Facility Type: COMPOSTING FACILITY **Facility Status:** NOT AVAILABLE Permit Status: NOT AVAILABLE STATE SWLF - Solid Waste Landfill / SRC# 2053 EPA/Agency ID: N/A Agency Address: SAME AS ABOVE Facility Type: RUBBLE FILL (DEMO,ETC) Facility Status: NOT AVAILABLE Permit Status: NOT AVAILABLE VISTA HOUGHTON TRANSFER STATION VISTA ID# 4287710 Address*: STATE SWLF - Solid Waste Landfill / SRC# 2053 **EPA/Agency ID:** N/A Agency Address: SAME AS ABOVE Facility Type: TRANSFER STATION **Facility Status:** NOT AVAILABLE Permit Status: NOT AVAILABLE VISTA **IDDINGS** VISTA ID#: 4287713 Address*: WA STATE SWLF - Solid Waste Landfill / SRC# 2053 N/A **EPA/Agency ID:** Agency Address: SAME AS ABOVE Facility Type: COMPOSTING FACILITY **Facility Status:** NOT AVAILABLE **Permit Status:** NOT AVAILABLE



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UNMAPPED SITES CONT.

STATE SWLF - Solid Waste Landfill / S	SRC# 2053	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility Type:	RUBBLE FILL (DEMO,ETC)	. W	
Facility Status:	NOT AVAILABLE		
Permit Status:	NOT AVAILABLE		
VISTA SEA-TAC INTERNATI	ONAL AIRPORT	VISTA ID#:	1839601
Address*: PO BOX 68727			
SEATTLE, WA 98168		4 1	
STATE LUST - State Leaking Undergro	ound Storage Tank / SRC#	Agency ID:	5617
2394			
Agency Address:	SEA-TAC INTERNATIONAL A	URPORT	
	PO BOX 68727		
Tank Status:	SEATAC, WA 98168 NOT AVAILABLE		: :
Discovery Date:			the state of the state of
	FEBRUARY 3, 1995		
Media Affected:	SOIL/SAND/LAND		
Remedial Action:	NOT AVAILABLE	23.0	•
Remedial Status 1:	CLEANUP IN PROGRESS/RE	QUIRED	: .
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Substance	<u> </u>	
STATE LUST - State Leaking Undergro	ound Storage Tank / SRC#	Agency ID:	2826
Agency Address:	SEA-TAC INTERNATIONAL A	IPPORT	
Agency Address.	PO BOX 68727	IMPORT.	
	SEATAC, WA 98168		
Tank Status:	NOTAVAILABLE		
Discovery Date:	AUGUST 27, 1990		•
Media Affected:	SOIL/SAND/LAND		
Remedial Action:	NOT AVAILABLE		•
Remedial Status 1:	CONDUCTED (WASHINGTO	V ONLY)	•
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Substance		
STATE LUST - State Leaking Undergro	und Storage Tank / SRC#	Agency ID:	4111
394	and the second of the second		
Agency Address:	SEATAC AIRPORT		
	PO BOX 68727 SEATTLE, WA 98168		
Tank Status:	NOT AVAILABLE		
Discovery Date:	DECEMBER 29, 1992		
Media Affected:	SOILSANDALAND		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CLEANUP IN PROGRESS/RE	OUIDED	
Remedial Status 2:	NOT AVAILABLE	WOINED	
Fields Not Reported:	Substance		
		· · · · · · · · · · · · · · · · · · ·	7257
TATE LUST - State Leaking Undergro 497	und Storage Lank / SRC#	Agency ID:	5617
Agency Address:	SEA-TAC AIRPORT FIRE DEF	PARTMEN	
	PO BOX 68727		•
	SEATAC, WA 98168		
Tank Status:	NOT AVAILABLE		•
Media Affected:	SOIL/SAND/LAND		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CLEANUP IN PROGRESS/RE	QUIRED	
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date. Substance		



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SITE ASSESSMENT PLUS REPORT

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL SRC#: 2435 VISTA conducts a database search to identify all sites within 1 mile of your property. The agency release date for NPL was May, 1995.

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Dept of Health and Human Services and the US EPA in order to become an NPL site.

SPL SRC#: 2406 VISTA conducts a database search to identify all sites within 1 mile of your property.

The agency release date for Confirmed Contaminated Sites Report was May, 1995.

This database is provided by the Department of Ecology, Toxics Cleanup Program.

SCL SRC#: 2405 VISTA conducts a database search to identify all sites within 1 mile of your property.

The agency release date for Suspected Contaminated Sites Report was May, 1995.

This database is provided by the Department of Ecology, Toxics Cleanup Program.

CORRACTS SRC#: 2465 VISTA conducts a database search to identify all sites within 1 mile of your property. The agency release date for RCRA Corrective Action Sites List was June, 1995.

The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

RCRA-TSD SRC#: 2465 VISTA conducts a database search to identify all sites within 1 mile of your property. The agency release date for RCRIS was June, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

B) DATABASES SEARCHED TO 1/2 MILE

CERCLIS SRC#: 2509 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for CERCLIS was March, 1995.

The CERCLIS List contains sites which are either proposed to or on the National Priorities List(NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.

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NFRAP. SRC#: 2510 VISTA conducts a database search to identify all sites within 1/2 mile of your property.

The agency release date for CERCLIS was March, 1995.

NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to

require Federal Superfund action or NPL consideration.

SWLF SRC#: 2053 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Municipal Solid Waste Facilities was September, 1994.

This database is provided by the Department of Ecology, Solid Waste Services Program.

LUST SRC#: 2394 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Leaking Underground Storage Tank List was April, 1995.

This database is provided by the Department of Ecology, Toxics Cleanup Program.

LUST SRC#: 2497 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Northwest Region Leaking Underground Storage Tank Site List was July, 1995.

This database is provided by the Department of Ecology, Northwest Regional Office.

C) DATABASES SEARCHED TO 1/4 MILE

SRC#: 2465

RCRA-Viols/En VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for RCRIS was June, 1995.

> The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Violators are facilities which have been cited for RCRA Violations at least once since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators.

UST's SRC#: 2395 VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for Underground Storage Tank Database was March, 1995.

This database is provided by the Department of Ecology, Solid Hazardous Waste Program; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.

TRIS SRC#: 2467 VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for TRIS was May, 1995.

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities(Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.



D) DATABASES SEARCHED TO 1/8 MILE

ERNS SRC#: 2255

VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for ERNS was March, 1995.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through September 1994 revealed the following information regarding reported spills of oil or hazardous substances in the stated area.

RCRA-LgGen SRC#: 2465

VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for RCRIS was June, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen SRC#: 2465

VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for RCRIS was June, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

End of Report

DFT 002346

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Report ID: 084038-001

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APPENDIX B SITE-SPECIFIC CHEMICAL INVENTORY

August 26, 1994 9-4122-MLB94-048

Mr. Phil Birk
Sabey Corporation
101 Elliott Ave. W., Suite 330
Seattle, Washington 98119

RECEIVED

AUG : 1 974

Salosy Corp.

Dear Mr. Birk:

Subject:

Hazardous Waste Management Plan

Reference:

Telecon R. Birk to M. Brune, August 19, 1994

In response to your request, enclosed is a summation of the method used at the Oxbow Site for hazardous materials storage, use and distribution.

Should you have an questions, please do not hesitate to call.

Sincerely,

Myrna L. Brune

Enclosure

cc: C. Bach

OXBOW SITE HAZARDOUS MATERIALS STORAGE USE AND DISTRIBUTION

The following information summarizes activities from 1987 through 1994 at the Oxbow Site that utilized hazardous materials. A brief description of the most significant uses and associated manufacturing process is provided.

Hazardous Material Control and Distribution:

Hazardous materials used at the Oxbow Site are controlled by the Hazardous Materials Management Program. This program has been in place since 1991. Hazardous materials required for use at the Oxbow Site are initially received and stored at the Boeing Developmental Center 9-04 building. Hazardous materials are delivered on an as-needed basis to shop cabinets at Oxbow. Small quantities of hazardous materials are stored in cabinets throughout the site.

Before 1991, hazardous materials were stored in drums or containers in the hazardous material storage sheds (see description below) or within the buildings.

Past and Present Operations Utilizing Hazardous Materials:

7-250 Building:

The 7-250 building was used primarily for manufacturing activities. A cafeteria is located in the northeast corner of the building. Manufacturing activities included composite aircraft parts riveting and assembly, wire bundle assembly, tooling fabrication (plaster and plastics), metal decal fabrication and small parts painting. A wood shop was also located within this building. Hazardous materials used within this building were stored in drums or storage cabinets and included materials such as sealants, paints, solvents (wiping), developers, potting compounds, Freon, oils, and resins. All hazardous waste generated in this building were accumulated in 55 gallon drums or 5 gallon cans.

A paint spray booth used to paint small airplane parts utilized dry filters to capture paint particulates. The Metal Decal shop used developers, fixers and a small self contained vapor degreaser (installed for approximately two years) for metal decal production. Freon was used in a riveting machine and for cooling drill bits. Wiping solvents, sealants and potting compounds were manually applied to airplane parts. Resins were used to build composite tooling.

7-251 Building

The 7-251 building was used for offices and meeting rooms. Hazardous materials used in this building included standard office supplies, ammonia for a blueprint copier, and a developer for a photo reproduction machine.

7-252 Building

The 7-252 building was used for aircraft parts assembly, small parts painting, waterlet metal cutting, tooling fabrication (plaster and plastics), R&D Chemical Etching (Chem Etch) and welding operations. A wood shop was located on the west end of the building. The building is currently used as a welding shop and is used for fabricating airplane parts.

Hazardous materials were stored in cabinets and drums within the building. Hazardous materials used in the building included paints, solvents (wiping), resins, and adhesives. With the exception of the Chem Etch operation, all waste was accumulated in 55 gallon drums or 5 gallon containers.

The Chem Etch facility initially utilized a portable Baker tank located in the parking lot to store waste rinse water. This rinse water was later sent to the sanitary sewer system. Concentrated chemicals (cupric chloride/sodium chloride, corresive photo resist stripper) used in the Chem Etch facility was returned to 55 gallon drums after use. Two paint spray booths were used to paint small parts and utilized dry filters to capture paint particulates. Similar solvent wiping, sealant application, and resin application methods were used as in the 7-250 building.

7-253 Bullding

The 7-253 building is a mechanical room located on the north end of the 7-250 building. Hazardous materials including lubricating oil and cooling tower treatment chemicals were stored in 55 gallon drums on containment pans. A 500 gallon above ground reserve fuel oil tank is located within a concrete secondary containment berm in the boiler room.

Hazardous Material Storage Sheds

Portable hazardous material storage buildings with secondary containment systems located on the west side of the 7-252 building were used to store hazardous waste generated from shops at the Oxbow Site. 55 gallon drums and 5 gallon containers were accumulated in this building until shipped off-site for disposal. Some of the hazardous materials used at the Oxbow Site were stored in this building prior to implementation of the Hazardous Materials Management Program.

Parking and Yard Areas

The parking areas were used for storage of tooling and supplies. No underground storage tanks were installed at this site. A propane tank was located at the west end of the site for refueling forklifts.

APPENDIX C LABORATORY DATA REPORT FOR ASBESTOS SAMPLES

Clayton Environmental Consultants

LABFAX

Log #15323

cation: Oxbow	Park	- FAMICAN。 		ON 10/4/ Job / PO # 513	· ·
aPle #: AB-2	52.001	LABA SAMPLE LOC	TION: Wa	l, bldg: 152 ::	
OURCE : Plaste	•				
No Asbesto	s Detected				
		номосе	NEOUS		
Asbestos	Asbestos %	Non-asbestos	% other	nonfibrous components	nanflbrous
			. 200	Calcita Filler & Binder	. 95
SAN Talaharan			and the second	Paint	5
	1	Lawr ^e			
	<u> </u>				
	ere esk skriver en ander	Description: Off-white co	mpacted sp	arkling powdery mater	lal with pale
ote:	<u> </u>		<u> </u>		Maria da Trasky, Maria da Aria. A da Aria
		ti in the transport the action of the contract of	1 No. 1900 - Control of the Control		
LMPLE #: AB-2		SAMPLE LOCA	TION: Bld	252	
OURCE & Sheetr	ock				
No Asbesto	s Detected	HOMOGEN	FOUR		
/ − bestos	Asbestos %	BON-Rabestos	% other	aoafibrous	zopfibrous
	100 M	Cellulose	fibers 10	Components Cypeum Filler & Binder	19
Service Services		Glass Fiber	1		
·	<u> </u>		1		
en en en en en en en en en en en en en e	en en en en en en en en en en en en en e	Description: White chalky	material	with paper backing	
¥.3	un er i Sudan 😺	San de des conectos de relegios.		te de per la reconstruir de la companya de la companya de la companya de la companya de la companya de la comp La companya de la co	
ite:	jangan samojan kas	and the first of the state of t			
MPLE #: AB-1	2.003	IABA SAMPLE LOCA	TION: Bate	een : concrete : tiltupe,	hldg: 252
URCE : Fosm			A PART OF THE PART		
		A CONTROL OF THE PROPERTY OF T			
No Asbesto	Detected				
		HOMOGEN			
Asbestos	Asbestos %	non-asbestos	% other	nonfibrous components	повПрьгопе
1 30 1 1 1 1 1	ta pa	Cellulose	Trace	Polyurethane Foam	100
200 - 100 -			1		
	e eller			The Ave	
	A HAT ON A				
		Description: Dull gold so	ft spongy	material	

boratory Data Sheet is for lab use and faxing only. The final report will follow in the mail.

ient: ICF Kaise	mental Consul			Log #15323 ANALYZED BY Barbara G ON 10/4/95 Job / PO #51362-	loyd
cation: Oxbow	Park		******	n concrete tiltupe bic	
AMPLE #: AB: 2 OURCE : Caulk		LECC SAMPLE LOCA	TIONI BOLVE	a concrete titude	
OURCE: C-212					Let 19 Live Letters
No Asbesto	s Detected	номодел			
Asbestos	Asbestos %	non-asbestos (there	% other	nonfibrons components	nonfibrous %
				Calcite/Clay Filler & Binder	99
			P	Paint	1
				en Geografia eta eta eta eta eta eta eta eta eta et	
		Description: White hard	rubbery mate	erial with white paint	
ote:			ar ne mar de la banda a		Singlak direbi
AMPLE #1 AB-2 OURCE : Black	.52-005 Mat/Insulation	IABA SAMPLE LOCA	TION: From	roof alr belt rooms, b	
	os Detected		Li	yers Homogenized for	Analysis
MO Wancare	Da Detected	LAYER	RED		
Asbestos	Asbestos %	gon-asbestos	% other	nonfibrous components	monfibrous 9
		Mineral Wool	77	Filler & Binder	3
		Synthetic	20		
		A September 1997 A Sept	and Art	and the same of th	
		Description: Black wover material	coated fibr	ous layer with gold flu	Ilà liptone
			and the same of the same	s and a comment of the	. Our that the
vote:					
	142-006	LABE SAMPLE LOC	ATION: Roof	, 61dg., 252	
AMPLE #(AB:	海底层面积 医乳腺液体分析 \$10 (10) 医海绵性 (2)	INDE SAMPLE LOC	ATION: Roof	bldg. 252	
AMPLE #(AB:	海底层面积 医乳腺液体分析 \$10 (10) 医海绵性 (2)	inna sample Loc	ATION: Roof	, bjdg. 352	
SAMPLE #(AB: SOURCE / Roofi	海底层面积 医乳腺液体分析 \$10 (10) 医海绵性 (2)	inds sample loc		, bidg. 252	
SAMPLE #(AB- SOURCE Rooff No Asbest	ing Maierial	HOMOGE non-asbestos	NEOUS	nonfibrous	penfibrous
AMPLE #(AB:	ing Maiorial	номоде	NEOUS	The second secon	72
SAMPLE #(AB- SOURCE (Rooff No Asbest	ing Maierial	HOMOGE non-asbestos	NEOUS Sother	nonfibrous components	
SAMPLE #(AB- SOURCE Rooff No Asbest	ing Maierial	HOMOGE non-asbestos fibera Calluloss	ENEOUS So other fibers Trace	nonfibrous components Asphalt Filler & Binder	72
SAMPLE #(AB- SOURCE (Rooff No Asbest	ing Maierial	HOMOGE non-asbestos fihers Celluloss Glass Fiber	NEOUS Sother fibers Trace 3	nonfibrous components Asphalt Filler & Binder Sand	72 25
	ing Maierial	HOMOGE non-asbestos fibera Calluloss	NEOUS Sother fibers Trace 3	nonfibrous components Asphalt Filler & Binder Sand	72 25

- Clayton Environmental Consultants

LABFAX

Log #15323

Client: ICF Kalse Location: Oxbow		, Inc.	e vij Granisti	ANALYZED BY Barb ON 10/4 Job / PO # 513	/95
SAMPLE #: AB-2. SOURCE : Celling	12.007	1979 Sample L	CATION: Fals	e celling, bldg. 132	
No Asbesto	s Detected	номо	GENEOUS		
Asbestos	Asbestos 9	b non-asbestos	% other	nonfibrous components	aonfibrous %
	en en en en en en en en en en en en en e	Cellulose Mineral Wool	34 35	Perlits Paint	30
	en e Stagan i se e i s	Description: Light gre	y compressed	fibrous material with	white paint
Note:	en e gant e		in William Contigues and Lawren	and the second of the second o	
SAMPLE #1AB-2! SOURCE : Basebo		icas sample lo	CATION, BIG	28	
No Asbesto	Detected	номо	GENEOUS		
(bestos	Asbestos %	BOD-asbestos fihers	% other	nonfibrous components	nonfibrous %
				Vinyl Filler and Binder	100
e Karalan kanalan ya Tan espezie		Description: Gray har	d flat rubbery	material	
Note:	en en en en en en en en en en en en en e		<u> 1865 - Santa Artista de la composición del composición de la composición de la composición del composición de la composición de la composición de la composición de la composición de la composición del composición de la composición de la composición del composición del composición del composición del composición del composición del composición del composición del composición del composi</u>		
SAMPLE #; AB-25 SOURCE : Basebo AYERED SAMPL	ard Mastic	LABA SAMPLE L INII A nd AHERA regulation	CATION: Bid require laye		ported separately
No Asbestos		LAYER 1			
Asbestos	Asbestos %	non-asbestos	% other	nonfibrous components	nonfibrous %
				Filler & Binder	I I I I I I I I I I I I I I I I I I I
		Description: Brown b	rittle mastic		
Note:					DFT 002354

Aboratory Data Sheet is for lab use and faxing only. The final report will follow in the mail.

ayton Environmental Consultants LAF ent: ICF Kaller International, Inc. cation: Oxbow Park				ing the second s	Log # 15323 ANALYZED BY Barbers ON 10/4/95 Job / PO # 51362-	Gloy 4
MPLE #, AB-2 URCE + Sheets	ack/Inint Co	00.00	LAND SAMPLE LOCA			
YERED SAMP No Asbesto	LE: NESHAP s Detected	An	d AHERA regulations LAYER 2	allow these	layera 10: pe composite	ed : together ::::
	Asbestos	64	non-asbestos	% other	popilbrous	panfibrous
Asbestos	Aspestos	70	Cellulose	fibers 3.0	Calche Filler & Binder	50
			Cellulose	1 -	Gypsum Filler & Binder	20
	A Albertania A Martin III III III III III III III III III I	- 1au	escription: White chalk		en en en en en en en en en en en en en e	A CONTRACTOR
ites		•		The second		Silver and All All Silvers
TIN CD Charl	enck/Inint Co	ות ממי	LABO SAMPLE LOC			
URCE: Sheel YERED SAM	enck/Inint Co	ompi Pan	ound d AHERA regulations LAYER 2	allow these	layers to be composi-	
URCE: Sheet YERED SAMI No Asbest	rock/joint Co PLE: NESHAI	mp Pan	ound nd AHERA régulations		layers to be composi-	nonfibrous
URCE: Sheel YERED SAM	rock/Joint Co PLE: NESHAI OS Detected	mp Pan	d AHERA regulations LAYER 2 non-asbestos	allow these	layers to be composi-	
URCE: Sheet YERED SAMI No Asbest	rock/Joint Co PLE: NESHAI OS Detected	P an	d AHERA regulations LAYER 2 non-asbestos fibers Cellulose	allow these	nonfibrous components Calcits Filler & Binder Gypsum Filler & Binder	aonfibrous 50 20
URCE: Sheet YERED SAMI No Asbest	rock/Joint Co PLE: NESHAI OS Detected	P an	LAYER 2 non-asbestos fihera Collulosa	allow these	nonfibrous components Calcits Filler & Binder Gypsum Filler & Binder	aonfibrous 50 20
URCE: Sheet YERED SAMI No Asbest Asbestos	rock/Joint Co PLE: NESHAI OS Detected	P an	LAYER 2 non-asbestos fihera Celluloss Description: White chal	other fibers 30	nonfibrous components Calcits Filler & Binder Gypeum Filler & Binder with paper backing & aterial	aonfibrous 50 20 white sparkling
OURCE : Sheet YERED SAMI No Asbest Asbestos ote:	rock/Joint Copple NESHAI os Detected Asbestos 252-011	P an	LAYER 2 non-asbestos fihera Celluloss Description: White chal	other fibers 30	nonfibrous components Calcits Filler & Binder Gypsum Filler & Binder	aonfibrous 50 20 white sparkling
URCE: Sheet YERED SAMI No Asbest Asbestos Ote: (MPLE #(AB-	rock/Joint Copple NESHAI os Detected Asbestos 252-011	%	AHERA regulations LAYER 2 Ron-asbestos fibera Cellulosa Description: White chal compacted	other fibers 30	nonfibrous components Calcits Filler & Binder Gypsum Filler & Binder with paper backing & aterial	aonfibrous 50 20 white sparkling
OURCE: Sheet YERED SAMI No Asbest Asbestos ote: AMPLE *(AB- OURCE: Tape	rock/Joint Copple: NESHAI os Detected Asbestos 252 011 /Backing	%	AHERA regulations LAYER 2 non-asbestos fibera Cellulose Cellulose SAMPLE LOC HOMOG non-asbestos	allow these southern filters 30 ky material powdery m CATION: On the control of the control	nonfibrous components Calcits Filler & Binder Gypsum Filler & Binder with paper backing & aterial Thergiass insolution.	apafibrous 50 20 white sparkling
URCE: Sheet YERED SAMI No Asbest Asbestos Ote: MPLE #(AB-	rock/Joint Copple; NESHAI os Detected Asbestos 252-011 /Backing	%	AHERA regulations LAYER 2 non-asbestos fibera Cellulose Cellulose RAMPLE LOC HOMOG	allow these southern filters 30 ky material powdery m CATION: On	nonfibrous components Calcite Filler & Binder Gypsum Filler & Binder with paper backing & aterial	apasibrous 50 20 white sparkling
VERED SAMI NO Asbest Asbestos Ote: CMPLE *(AB- DURCE : Tape	rock/Joint Copple: NESHAI os Detected Asbestos 252 011 /Backing	%	AHERA regulations LAYER 2 non-asbestos fibers Cellulose HOMOG aon-asbestos fibers Cellulose	allow these southern filters 30 ky material powdery m CATION: On the filters Southern filters	Inversion be composite nonfibrous components Calcits Filler & Binder Gypeum Filler & Binder with paper backing & aterial fiberglass insalation, A	apafibrous 50 20 white sparkling
No Asbest Asbestos ote: AMPLE *(AB- ource : Tape No Asbest	rock/Joint Copple: NESHAI os Detected Asbestos 252 011 /Backing	%	Dund Id AHERA regulations LAYER 2 Ron-asbestos fibers Cellulose Cellulose HOMOG Ron-asbestos fibers	allow these southern filters 30 ky material powdery m CATION: On the filters Southern filters	nonfibrous components Calcits Filler & Binder Gypeum Filler & Binder with paper backing & aterial fiberglase instation. monfibrous components Vinyl Filler and Binder	nonfibrous 50 20 white sparkling nonfibrous 78

Description: White vinyl with clear sticky adhesive

Note:

SAMPLE #: AB-252-012 SOURCE: Foil Pipe Wrap No Asbestos Detect Asbestos Asbest SOURCE: Pipe Elbow Wr No Asbestos Detect bestos Asbest Note: SAMPLE #: AB-250-014: SOURCE: Spray-on Fire I No Asbestos Detect Asbestos Asbest No Asbestos Detect Asbestos Asbest	ted tos %	LA non-asbeston fihera Callulose Glass Fiber Description: White pa & white	ERED Sother fibers 50 5	Interplace interiation Cu Cu Appers Homogenized for nonfibrous components Paint b silver foll layer, wow elhow, bldg. 751 nonfibrous components Cotk Asphalt Filler & Binder	Der Analysis Donfibrous 30 10 5
Asbestos Asbes Note: SAMPLE s. AB-252-013 SOURCE: Pipe Elbow Wr. No Asbestos Detect bestos Asbest OURCE: Spray-on Fire I	ip %	Cellulose Cellulose Class Fiber Description: White pa A white HOMO BOR-asbeston (ibers	CATION: Pipers CATION: Pipers CATION: Pipers CATION: Pipers CATION: Pipers CATION: Pipers	nonfibrous components Foil Filler & Binder Paint th silver foil layer, word elbow, bidg. 751 nonfibrous components Cotk	nonfibrous nonfibrous 30 10 5 ven sliky fiber
Note: SAMPLE s. AB-252-013 SOURCE: Pipe Elbow Wr. No Asbestos Detect bestos Asbest SAMPLE s. AB-250.014 SOURCE: Spray-on Fire I	ip	Cellulose Cellulose Class Fiber Description: White pa A white HOMO BOR-asbeston (ibers	Seneous Solution; Pipers CATION; Pipers CATION; Pipers	Foil Filler & Binder Paint h silver foil layer, word elbow, bldg. 751 nonfibrous components Cotk	nonfibrous 30 10 5 ven sliky fiber
Note: SAMPLE s. AB-252-013 SOURCE: Pipe Elbow Wr. No Asbestos Detect bestos Asbest detect AMPLE s. AB-250.014 COURCE: Spray-on Fire I	ip	Cellulose Glass Fiber Description: White pa & white LABAR 1832111 SAMPLE LO HOMO BOR-asbeston (there	per layers with paint CATION: Ripe ENEOUS Seneous	Foil Filler & Binder Paint h silver foil layer, word elbow, bldg. 751 nonfibrous components Cotk	nonfibrous 30 10 5 ven sliky fiber
No Asbestos Detection Cource : Spray-on Fire I	ip !	Glass Fiber Description: White pa & white LABAR SAMPLE LO 1532111 SAMPLE LO HOMO BOR-asbeston (there	per layers with paint CATION: Ripe ENEOUS Sother fibers	Piller & Binder Paint th silver foll layer, work elbow, bldg. 751 nonfibrous components Cotk	nenfibrous
No Asbestos Detection Source: No Asbestos Detection Destos Asbest No Asbestos Detection Detection Destos Asbest No Asbestos Detection	ip !	Description: White pa & white LABA SAMPLE LO 153213 SAMPLE LO HOMO BOR-asbeston (lhera	CATION: Pipe CATION: Pipe ENEOUS Seneous	Paint th allver foll layer, work elhow, bldg, 752 nonfibrous components Cork	nonfibrous
No Asbestos Detection Cource : Spray-on Fire I	ip !	HOMOG	CATION: Pipe CATION: Pipe ENEOUS Souther fibers	elbow, bidg. 191 nonfibrous components Cotk	nonfibrous 35
No Asbestos Detection Cource : Pipe Elbow Wrong No Asbestos Detection bestos Asbest Asbest Ample s: AB-250.016 Ource : Spray-on Fire I	ed	HOMOG	ENEOUS Souther	nonfibrous components Cork	35
No Asbestos Detect bestos Asbest ote: AMPLE #: AB-250:014 OURCE : Spray-on Fire I	ed	HOMO(ENEOUS Sother There	nonfibrous components Cork	35
No Asbestos Detect bestos Asbest ote: AMPLE #: AB-250:014 OURCE : Spray-on Fire I	ed	HOMO(ENEOUS Sother There	nonfibrous components Cork	35
No Asbestos Detection bestos Asbest Destos Asbest AMPLE s. AB-250.016 OURCE i Spray-on Fire I	ed	BOR-asbestos	% other	components Cork	35
ote: AMPLE 4: AB-250:014 OURCE: Spray-on Fire I		BOR-asbestos	% other	components Cork	35
ote: AMPLE 4: AB-250:014- OURCE: Spray-on Fire I		BOR-asbestos	% other	components Cork	35
ote: AMPLE *: AB-250:016 OURCE : Spray-on Fire I	0s %	fibers :	fibers	components Cork	35
AMPLE #: AB-250:014: OURCE: Spray-on Fire I No Asbestos Detecti			2 18.75 Sec. 11.75	Cotk	35
AMPLE 4: AB-250:014: OURCE: Spray-on Fire I No Asbestos Detecti		election per la company de la company de la company de la company de la company de la company de la company de La company de la	Asphalt Filler & Binder	65	
AMPLE s. AB-250.014: OURCE: Spray-on Fire I No Asbestos Detecti		er gi			
AMPLE #: AB-250:014: OURCE: Spray-on Fire I No Asbestos Detecti					
AMPLE 4: AB-250:014: OURCE: Spray-on Fire I No Asbestos Detecti					
AMPLE 4: AB-250:014: OURCE: Spray-on Fire I No Asbestos Detecti	. [Description: Black sof	goosy fibro	us asphaltic material	
AMPLE #: AB-250:014: OURCE: Spray-on Fire I No Asbestos Detecti					
OURCE i Spray-on Fire I No Asbestos Detecti					
No Asbestos Detecti		IN SAMPLE 10	CATION: BIde	250	
No Asbestos Detecti			CONTROL OF THE PARTY OF THE PAR	A Company and the line of the	
Asbestos Asbesto	d	номос	ENEOUS		
t W	s %	non-asbestos	% other	ponfibrous components	Bonfibrous
		Mineral Wool	90	Filler & Binder	10
		1		and the second s	Tarabana aras Tarabana
ļ					
	γ				
y ###%. 	i n	escription: White son	nully libror	is lumpy material	
ote:	"				<u></u>
					DFT 002356

Clayton Environ lient: ICF Kaise ocation: Oxbow	r International,		AX.	Log #1532 ANALYZED BY Barbara ON 10/4/9: Job / PO #51362	Gloyd S
SAMPLE V. AB-2. SOURCE: Wallpa	· · · · · · · · · · · · · · · · · · ·	igni sample loc	ation; Bidg.	230, upstalf wall ald	
No Asbesto	B Detected	LAYE	and the second of the second	yers Homogenized for	Analysis
Asbestos	Asbestos %	non-asbestos fibers	% other fibers	nonfibrous components	nanfibrous %
		Cellulose Glass Fiber	1)	Vinyl Filler and Binder Gypsum Filler & Binder	20
		Description: White vinyl	layer with	paper layer & white c	halky material
Note:					
SAMPLE #: AB-2 SOURCE : Wallbo		ishii sample loc	ATION: Bldg	150, boller room wa	Uboard
No Asbesto	s Detected	LAYE	the second second	ayers Homogenized fo	r Analysis
Asbestos	Asbestos %	non-asbestos fibera	% other	posfibrous components	neafibrous 5
		Callulosa	96	Filler & Binder Calcite Filler & Binder	1 1
	(1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	Description: White force powder:	ous paper wi	th pink adhesive & wi	nite sparkling
Note:					
SAMPLE #1AB-2 SOURCE: Floor	Tile	ISTITA SAMPLE LOC			Andred sangest
No Asbesto		LAYER 1	tednite (#)e	i se per mis il acoustical.	
Asbestos	Asbestos %	non-asbestos fibers	% other	nonfibrous components	Bonfibrous
		Nuera .		Vinyl Filler and Binder	100
		Daniel William		speckled tile	
		Description: White & g	ILAN RILEBES	becased me	

Clayton Environmental Consultants

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LABFAX

Log #15323

Client: ICF Kalse Location: Oxbow		d, Inc.		ANALYZED BY Barba ON 10/4/ Job / PO #5136	95
SAMPLE #: AB-2 SOURCE : Floor		isizine sample i	OCATION: Bid		
No Asbesto	s Detected	LAYER 2			
Asbestos	Asbestos 4	% gon-asbestos	% other	nonliptons	monfibrous 9
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cellulose Synthetic	Trace 7	Asphalt Filler & Binder	93
gen i second	and the second s	Description: Black as	sphaltic mastic		
Note:					eres for the
SAMPLE #: AB-2. SOURCE : Basebo	ma de militar de de la compania del la compania del la compania del compania del compania de la compania de la compania de la compania de la compania de la	IAPP SAMPLE L	OCATION, BIG	(; 250:	
No Asbesto	s Detected	НОМО	GENEOUS		
bestos	Asbestos 9	6 non-asbestos	% other	nonfibrous components	nonfibrous 9
				Vinyl Filler and Binder	100
Note:		Description: Black ha	rd fiet rubber	7. material de la companya de la com	
SAMPLE #: AB-23 SOURCE : Basebo	CONTRACTOR CONTRACTOR	INTERNATION SAMPLE L	OCATION: Bld	250	
No Asbestos	Detected	номо	GENEOUS		
Asbestos	Asbestos %	non-asbestos	% other	nonfibrous components	nonfibrous A
		Cellulose	Trace	Calcita Filler & Binder	100
			•		
		Description: Off-white	stiff flexible	mastic with trace brow	en brittle mastic

aboratory Data Sheet is for lab use and faxing only. The final report will follow in the mail. rerified by: 10-4195

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Log #15323 Clayton Environmental Consultants LABFAX ANALYZED BY Barbara Gloyd Client: ICF Kalser International, Inc. ON 10/4/95 Job / PO # 51362-007-00 Location: Oxbow Park LABS SAMPLE LOCATION: Bidg: 250 (duplicate of 017 tile) SAMPLE #: AB-250-020 SOURCE : Floor Tile Layers Homogenized for Analysis No Asbestos Detected LAYERED Bonfibrous % other non-asbestos aonfibrous % Asbestos % Asbestos fibers components flhers 99 Vinyl Piller and Binder 1 Filler & Binder Description: White & gray streaked swirled tile with trace gold mastic Note: Insufficient mastic to analyze separately SAMPLE SIAB-250-021 LABOR SAMPLE LOCATION: Bldg. 250 SOURCE : Sheet Vinyl Layers Homogenized for Analysis No Asbestos Detected LAYERED nonfibrous S other BOS-ESbestos nenfibrous -Asbestos % Asbestos components fibers fihers Distoms Callulose 11 Filler & Binder Synthetic Vinyl Filler and Binder 80 Glass Fiber Description: White, pink & beige speckled vinyl with cream-colored fibrous backing & mastic with blue coating Note: LABOR SAMPLE LOCATION Bldg. 750 SAMPLE #: AB-250-022 SOURCE Floor Tile No Asbestos Detected HOMOGENEOUS % other nonfibrous non-asbestos nonfibrous % Asbestos Asbestos % components fibers. fihars 100 Vinyl Filler and Binder Description: White & cream-colored streaked tile

Laboratory Data Sheet is for lab use and faxing only. The final report will follow in the mail.

Note:

Clayton Environmental Consultants LABFAX

Client: ICF Kaiser International, Inc.

Location: Oxbow Park

Log #15323 ANALYZED BY Barbara Gloyd ... ON 10/4/95....

Job / PO # 51362-007-00

8AMPLE VIAB-250-023 LABOR SAMPLE LOCATION BIGS 250 SOURCE (Sheet: Viny)

neafibrous 9
7
85 (1)
ieh li

DFT 002360

Laboratory Data Sheet is for lab use and faxing only. The final report will follow in the mail: Verified by: 10-4-55

APPENDIX D LABORATORY DATA REPORT FOR DRINKING WATER SAMPLES

ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 PACIFIC HIGHWAY EAST, TACOMA. WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

TRANSMITTAL MEMORANDUM

ICF / RECEIVED

OCT 11 1995

PRUJEU, #]

DATE: October 6, 1995

TO:

Robert Taaffe

ICF Kaiser Engineers

PROJECT: Oxbow Park

LABORATORY NUMBER: 51878

Enclosed are the test results for one sample received at Sound Analytical Services on October 4, 1995.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (206) 922-2310.

Sincerely,

Andrew J. Riddell

Project Manager

AJR:tm

- ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: ICF Kaiser Engineers

Date: October 6, 1995

Report On: Analysis of Water

Lab No.: 51878

IDENTIFICATION:

Sample received on 10-04-95

Project: Oxbow Park

ANALYSIS:

Lab Sample No. 51878-1

Client ID:

ICP Metals Per EPA Method 6010 Date Analyzed: 10-5-95

Units: mg/L

<u>Parameter</u>	Result	POL
Antimony	ND	0.15
Arsenic	ND	0.15
Beryllium	ND	0.005
Cadmium	0.033	0.010
Chromium	0.12	0.01
Copper	0.44	0.025
Lead	0.12	0.05
Nickel	0.09	0.04
Selenium	ND	0.20
Silver	ND	0.01
Thallium	ND	0.15
Zinc	0.42	0.02

Mercury By Cold Vapor AA Per EPA Method 7470 Date Analyzed: 10-4-95 Units: mg/L

<u>Parameter</u>	Result	POL
Mercury	0.0006	0.0002

ND - Not Detected

PQL - Practical Quantitation Limit

Client Name	And the second of the second o	. -	ICF Kaiser Engineers
Client ID:	 Section in the control of the control	٠.	MW-250-1
Lab ID:			51878-01
Date Received:			10/4/95
Date Prepared:			10/4/95
Date Analyzed:			10/4/95
% Solids			<u>_</u>

Volatile Organics by USEPA Method 8260

	*		Recovery Limits
Surrogate	% Recovery	Flags	Low High
Dibromofluoromethane	108		88 118
Toluene-d8	9 5		83 111
4-Bromofluorobenzene	102	•	86 112

	Resu	ıit	*		Burger & State Carlo Carlo Carlo
Analyte	(ug/i	L) -	. P(QL.	Flags
Dichlorodifluoromethane	ND	•		5	CHAN AND ARE ARE THE TOTAL AND
Chioromethane	ND			5	
Bromomethane	ND			5	in the state of the second of
Vinyl Chloride	ND			5	
Chloroethane	, : ND			5	
Trichlorofluoromethane	ND			5	
1,1-Dichloroethene	ND			2.5	
Methylene Chloride		1.5		2.5	Salar Day Oliver
trans-1,2-Dichloroethene	ND			2.5	
1,1-Dichloroethane	ND			2.5	
cis-1,2-Dichloroethene	ND			2.5	
2,2-Dichloropropane	ND	•		2.5	
Bromochloromethane	ND		•	2.5	
Chloroform		1.9		2.5	J B1
1,1,1-Trichloroethane	ND			2.5	0.51
1,1-Dichloropropene	ND			2.5	
Carbon Tetrachloride	ND			2.5	
Benzene	ND			2.5	
1,2-Dichloroethane	ND			2.5	
Trichloroethene	ND			2.5	
1,2-Dichloropropane	ND			2.5	
Dibromomethane	ND			2.5	
Bromodichloromethane	ND			2.5	
Toluene	ND			2.5	
1,1,2-Trichloroethane	ND			2.5	
Tetrachloroethene	ND				DFT 002364
= =	.10			2.5	DF1 002304

Volatile Organics by USEPA Method 8260 data for 51878-01 continued...

	Result		
Analyte ,	(ug/L)	PQL	Flags
1,3-Dichloropropane	ND	2.5	
Dibromochloromethane	ND	2.5	
1,2-Dibromoethane	ND -	2.5	
Chlorobenzene	ND	2.5	
1,1,1,2-Tetrachioroethane	ND	2.5	
Ethylbenzene	ND	2.5	· ·
m,p-Xylene	ND	2.5	
o-Xylene	ND	2.5	
Styrene	ND	2.5	
Bromoform	ND	2.5	19 A. Y.
Isopropylbenzene	ND	2.5	
Bromobenzene	ND	2.5	•
1,1,2,2-Tetrachloroethane	ND	2.5	
1,2,3-Trichloropropane	ND	2.5	
n-Propylbenzene	ND	2.5	•
2-Chlorotoluene	ND	2.5	
4-Chlorotoluene	ND	2.5	
1,3,5-Trimethylbenzene	ND	2.5	
t-Butylbenzene	III ND	2.5	
1,2,4-Trimethylbenzene	ND	2.5	
sec-Butylbenzene	ND	2.5	
1,3-Dichlorobenzene	ND	2.5	
4-Isopropyltoluene	ND	2.5	
1,4-Dichlorobenzene	ND	2.5	
1,2-Dichlorobenzene	ND	2.5	
n-Butylbenzene	ND	2.5	
1,2-Dibromo-3-chloropropane	ND	2.5	in the second of
1,2,4-Trichlorobenzene	ND	2.5	
Hexachlorobutadiene	ND	2.5	Marie Contract
Naphthalene	ND	2.5	
1,2,3-Trichlorobenzene	ND	2.5	
	• • •		

Client Name

Client ID:

Lab ID:

Date Received:

Date Prepared: Date Analyzed:

% Solids

ICF Kaiser Engineers

MW-250-1

51878-01

10/4/95

10/4/95

10/5/95

Extended Diesel Range by WTPH-D Modified

Surrogate o-Terphenyl

% Recovery 88 Flags

Recovery Limits

Low High

50 150

Analyte
Diesel (>nC12-nC32)

Result (mg/L)

2.1

PQL 0.71 Flags X2

___ ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

QUALITY CONTROL REPORT

Metals

PQL

ICF Kaiser Engineers

51878q1 Lab No: Units: mg/L

Date Analyzed: 10-5-95

Parameter	Result	
Antimony	ND	
Server of the se		

Antimony	ND	0.15	
Arsenic	ND	0.15	
Beryllium	ND	0.005	
Cadmium	ND	0.010	
Chromium	ND	0.01	
Copper	ND	0.025	
Lead	ND	0.05	
Nickel	ND	0.04	
Selenium	ND	0.20	
Silver	ND	0.01	
Thallium	ND	0.15	
Zinc	ND	0.02	

- Not Detected

PQL - Practical Quantitation Limit

QUALITY CONTROL REPORT

Metals

Client:

ICF Kaiser Engineers 51878q1 Lab No:

Units: mg/L

Date Analyzed: 10-5-95

DUPLICATE

Dup No. 51878-1	 	<u> </u>		
Parameter	Sample Result	Duplicate Result	RPD	Flag
Antimony	ND	ND	NC	
Arsenic	ND	ND	NC	
Beryllium	ND	ND	NC	
Cadmium	0.033	0.033	0.0	
Chromium	0.12	0.12	0.0	
Copper	0.44	0.45	2.2	
Lead	0.12	ND	NC	X4a
Nickel	0.09	0.09	0.0	
Selenium	ND	ND	NC	
Silver	ND	ND	NC	
Zinc	0.42	0.42	0.0	

= Not Calculated

RPD = Relative Percent Difference

QUALITY CONTROL REPORT

Metals

Client: ICF Kaiser Engineers

Lab No: 51878q1 Units: mg/L

Date Analyzed: 10-5-95

MATRIX SPIKE

MS No. 518	78-1				· · · · · · · · · · · · · · · · · · ·
Parameter	Sample Result	MS Result	MS Amount	%R	Flag
Antimony	ND	0.47	0.50	94	
Arsenic	ND	1.9	2.0	95	ř.
Beryllium	ND	0.055	0.050	110	
Cadmium	0.033	0.086	0.050	106	•
Chromium	0.12	0.32	0.20	100	
Copper	0.44	0.71	0.25	108	
Lead	0.12	0.55	0.50	86	
Nickel	0.09	0.60	0.50	102	
Selenium	ND	2.0	2.0	100	
Silver	ND	0.05	0.05	100	·
Zinc	0.42	0.91	0.50	98	

MS = Matrix Spike

%R = Percent Recovery

ANALYTICAL & ENVIRONMENTAL CHEMISTS

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QUALITY CONTROL REPORT

Mercury

ICF Kaiser Engineers

Lab No:

51878q2

Units:

mq/L

Date Analyzed: 10-4-95

	METHOD BLANK	
Parameter	Result	PQL
Mercury	ND	0.0002

ND - Not Detected

PQL - Practical Quantitation Limit

DUPLICATE

Dup No. 51878-1

Parameter	Sample Result	Duplicate Result	RPD Flag
Mercury	0.0006	0.0006	0.0

NC = Not Calculated

RPD = Relative Percent Difference

ort is issued solely for the use of the person or company to whom it is addressed. This laborators accepts responsibility only for the due

MATRIX SPIKE

MS No. 51878-1

Parameter	Sample Result	MS Result	MS Amount	%R	Flag
Mercury	0.0006	0.0027	0.0020	105	

MS = Matrix Spike

%R = Percent Recovery

DFT 002370

Lab ID:

Method Blank - T1560

Date Received: Date Prepared: Date Analyzed: % Solids

10/4/95 10/4/95

Volatile Organics by USEPA Method 8260

			Recove	ry Limits
Surrogate	% Recovery	Flags	Low	High
Dibromofluoromethane	104	-	88	118
Toluene-d8	97	•	83	111
4-Bromofluorobenzene	101		86	112

Analyte (ug/L) PQL Flags Dichlorodifluoromethane ND 5 Chloromethane ND 5 Bromomethane ND 5 Vinyl Chloride ND 5 Chloroethane ND 5 Chlorofluoromethane ND 5 Trichloroethene ND 2.5 Methylene Chloride 10 2.5 Methylene Chloride ND 2.5 Itans-1,2-Dichloroethene ND 2.5 1,1-Dichloroethane ND 2.5 1,2-Dichloropropane ND 2.5 Bromochloromethane ND 2.5 Chloroform 1.6 2.5 Chloroformethane ND 2.5 1,1-Dichloropropene ND 2.5 Carbon Tetrachloride ND 2.5 Benzene ND 2.5 1,2-Dichloropropane ND 2.5 1,2-Dichloropropane ND 2.5 1,2-Dichloropropane			lesult		
Chloromethane ND 5 Bromomethane ND 5 Vinyl Chloride ND 5 Chloroethane ND 5 Trichlorofluoromethane ND 5 1,1-Dichloroethene ND 2.5 Methylene Chloride 10 2.5 Methylene Chloride ND 2.5 1,1-Dichloroethene ND 2.5 1,1-Dichloroethane ND 2.5 1,2-Dichloropropane ND 2.5 Bromochloromethane ND 2.5 Chloroform 1.6 2.5 J B1 1,1,1-Trichloroethane ND 2.5 1,1-Dichloropropene ND 2.5 Carbon Tetrachloride ND 2.5 Benzene ND 2.5 1,2-Dichloroethane ND 2.5 Trichloroethane ND 2.5 Tolchloropropane ND 2.5 Dibromomethane ND 2.5 Bromodichloromethane	Analyte	-	ug/L)	PQL	Flags
Bromomethane	·	ND		5	
Vinyl Chloride ND 5 Chloroethane ND 5 Trichlorofluoromethane ND 5 1,1-Dichloroethene ND 2.5 Methylene Chloride 10 2.5 Methylene Chloride ND 2.5 1,1-Dichloroethene ND 2.5 1,1-Dichloroethane ND 2.5 1,2-Dichloropropane ND 2.5 Bromochloromethane ND 2.5 Chloroform 1.6 2.5 J B1 1,1,1-Trichloroethane ND 2.5 1,1-Dichloropropene ND 2.5 Carbon Tetrachloride ND 2.5 Benzene ND 2.5 1,2-Dichloroethane ND 2.5 Trichloroethene ND 2.5 1,2-Dichloropropane ND 2.5 Dibromomethane ND 2.5 Bromodichloromethane ND 2.5 Toluene ND 2.5 1,1,2-Trichloroethane </td <td>Chloromethane</td> <td>ND</td> <td></td> <td>5</td> <td></td>	Chloromethane	ND		5	
Chloroethane ND 5 Trichlorofluoromethane ND 5 1,1-Dichloroethene ND 2.5 Methylene Chloride 10 2.5 Methylene Chloride ND 2.5 I,1-Dichloroethene ND 2.5 1,1-Dichloroethane ND 2.5 2,2-Dichloropropane ND 2.5 Bromochloromethane ND 2.5 Chloroform 1.6 2.5 1,1-Trichloroethane ND 2.5 1,1-Dichloropropene ND 2.5 Carbon Tetrachloride ND 2.5 Benzene ND 2.5 1,2-Dichloroethane ND 2.5 Trichloroethene ND 2.5 1,2-Dichloropropane ND 2.5 Dibromomethane ND 2.5 Bromodichloromethane ND 2.5 Bromodichloromethane ND 2.5 Toluene ND 2.5 1,1,2-Trichloroethane	Bromomethane	ND	,	5	,
TrichlorofluoromethaneND51,1-DichloroetheneND2.5Methylene Chloride102.5B1trans-1,2-DichloroetheneND2.51,1-DichloroethaneND2.5cis-1,2-DichloroetheneND2.52,2-DichloropropaneND2.5BromochloromethaneND2.5Chloroform1.62.51,1-TrichloroethaneND2.51,1-DichloropropeneND2.5Carbon TetrachlorideND2.5BenzeneND2.51,2-DichloroethaneND2.5TrichloroetheneND2.51,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.51,1,2-TrichloroethaneND2.5	Vinyl Chloride	ND		5	
1,1-Dichloroethene ND 2.5 B1 Methylene Chloride 10 2.5 B1 trans-1,2-Dichloroethene ND 2.5 C1 1,1-Dichloroethane ND 2.5 C2 2,2-Dichloropropane ND 2.5 C2 Bromochloromethane ND 2.5 C2 Chloroform 1.6 2.5 JB1 1,1-Trichloroethane ND 2.5 JB1 1,1-Dichloropropene ND 2.5 C2 Carbon Tetrachloride ND 2.5 C2 Benzene ND 2.5 C2 1,2-Dichloroethane ND 2.5 C2 Trichloroethene ND 2.5 C2 1,2-Dichloropropane ND 2.5 C2 Dibromomethane ND 2.5 C2 Bromodichloromethane ND 2.5 C2 Toluene ND 2.5 C2 1,1,2-Trichloroethane ND 2.5		ND			And the second of the second o
Methylene Chloride 10 2.5 B1 trans-1,2-Dichloroethene ND 2.5 1,1-Dichloroethane ND 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 3.6 2.5 3.6 2.5 3.6 3.6 3.5 3.6<	Trichlorofluoromethane	ND		5	• •
trans-1,2-Dichloroethene ND 2.5 1,1-Dichloroethane ND 2.5 cis-1,2-Dichloroethene ND 2.5 2,2-Dichloropropane ND 2.5 Bromochloromethane ND 2.5 Chloroform 1.6 2.5 Chloroform 1.6 2.5 1,1-Trichloroethane ND 2.5 1,1-Dichloropropene ND 2.5 Carbon Tetrachloride ND 2.5 Benzene ND 2.5 1,2-Dichloroethane ND 2.5 Trichloroethene ND 2.5 1,2-Dichloropropane ND 2.5 Dibromomethane ND 2.5 Bromodichloromethane ND 2.5 Toluene ND 2.5 1,1,2-Trichloroethane ND 2.5	1,1-Dichloroethene	ND	19. A. C. C.	2.5	
1,1-Dichloroethane cis-1,2-DichloroetheneND2.52,2-Dichloropropane BromochloromethaneND2.5Chloroform1.62.51,1-Trichloroethane 1,1-DichloropropeneND2.5Carbon Tetrachloride BenzeneND2.51,2-Dichloroethane 1,2-DichloropropaneND2.5Trichloroethene 1,2-Dichloropropane DibromomethaneND2.5Bromodichloromethane Toluene 1,1,2-TrichloroethaneND2.5Trichloroethane Dibromomethane Toluene ND2.53.51,1,2-Trichloroethane ND2.53.5	Methylene Chloride		10	2.5	B1
cis-1,2-Dichloroethene ND 2.5 2,2-Dichloropropane ND 2.5 Bromochloromethane ND 2.5 Chloroform 1.6 2.5 1,1-Trichloroethane ND 2.5 1,1-Dichloropropene ND 2.5 Carbon Tetrachloride ND 2.5 Benzene ND 2.5 1,2-Dichloroethane ND 2.5 Trichloroethene ND 2.5 Trichloropropane ND 2.5 Trichloropropane ND 2.5 Dibromomethane ND 2.5 Bromodichloromethane ND 2.5 Bromodichloromethane ND 2.5 Bromodichloromethane ND 2.5 Toluene ND 2.5 1,1,2-Trichloroethane ND 2.5	trans-1,2-Dichloroethene	ND		2.5	
2,2-DichloropropaneND2.5BromochloromethaneND2.5Chloroform1.62.51,1,1-TrichloroethaneND2.51,1-DichloropropeneND2.5Carbon TetrachlorideND2.5BenzeneND2.51,2-DichloroethaneND2.5TrichloroetheneND2.51,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.5	1,1-Dichloroethane	ND		2.5	
Bromochloromethane Chloroform 1.6 2.5 Chloroform 1.6 2.5 J B1 1,1,1-Trichloroethane ND 2.5 Carbon Tetrachloride ND 2.5 Benzene ND 2.5 I,2-Dichloroethane ND 2.5 Trichloroethene ND 2.5 I,2-Dichloropropane ND 2.5 Dibromomethane ND 2.5 Bromodichloromethane ND 2.5 Bromodichloromethane ND 2.5 Bromodichloromethane ND 2.5 Bromodichloromethane ND 2.5 Toluene ND 2.5 Toluene ND 2.5 Toluene ND 2.5	cis-1,2-Dichloroethene	ND		2.5	
Chloroform1.62.5J B11,1,1-TrichloroethaneND2.51,1-DichloropropeneND2.5Carbon TetrachlorideND2.5BenzeneND2.51,2-DichloroethaneND2.5TrichloroetheneND2.51,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.5	2,2-Dichloropropane	ND		2.5	
1,1,1-TrichloroethaneND2.51,1-DichloropropeneND2.5Carbon TetrachlorideND2.5BenzeneND2.51,2-DichloroethaneND2.5TrichloroetheneND2.51,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.5	Bromochloromethane	ND		2.5	
1,1-DichloropropeneND2.5Carbon TetrachlorideND2.5BenzeneND2.51,2-DichloroethaneND2.5TrichloroetheneND2.51,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.5	Chloroform		1.6	2.5	J B1
Carbon TetrachlorideND2.5BenzeneND2.51,2-DichloroethaneND2.5TrichloroetheneND2.51,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.5	1,1,1-Trichloroethane	ND		2.5	
BenzeneND2.51,2-DichloroethaneND2.5TrichloroetheneND2.51,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.5	1,1-Dichloropropene	ND		2.5	
1,2-DichloroethaneND2.5TrichloroetheneND2.51,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.5	Carbon Tetrachloride	ND		2.5	
Trichloroethene ND 2.5 1,2-Dichloropropane ND 2.5 Dibromomethane ND 2.5 Bromodichloromethane ND 2.5 Toluene ND 2.5 1,1,2-Trichloroethane ND 2.5	Benzene	ND		2.5	
1,2-DichloropropaneND2.5DibromomethaneND2.5BromodichloromethaneND2.5TolueneND2.51,1,2-TrichloroethaneND2.5	1,2-Dichloroethane	ND		2.5	
Dibromomethane ND 2.5 Bromodichloromethane ND 2.5 Toluene ND 2.5 1,1,2-Trichloroethane ND 2.5	Trichloroethene	ND		2.5	
Bromodichloromethane ND 2.5 Toluene ND 2.5 1,1,2-Trichloroethane ND 2.5	1,2-Dichloropropane	ND		2.5	
Toluene ND 2.5 1,1,2-Trichloroethane ND 2.5	Dibromomethane	ND		2.5	
1,1,2-Trichloroethane ND 2.5	Bromodichloromethane	ND		2.5	
1,1,2-Trichloroethane ND 2.5	Toluene	ND		2.5	A800
	1,1,2-Trichloroethane	ND		2.5	٧٠

Volatile Organics by USEPA Method 8260 data for T1560 continued...

Amata A	Result	÷.	
Analyte	(ug/L)	PQL	Flag
1,3-Dichloroprópane	ND	2.5	
Dibromochloromethane	ND	2.5	
1,2-Dibromoethane	ND:	2.5	
Chlorobenzene	ND	2.5	
1,1,1,2-Tetrachloroethane	ND	2.5	
Ethylbenzene	ND	2,5	
m,p-Xylene	ND	2.5	
o-Xylene	ND	2.5	
Styrene	ND	2.5	
Bromoform	ND -	2.5	
Isopropylbenzene	ND	2.5	
Bromobenzene	ND	2.5	
1,1,2,2-Tetrachloroethane	ND	2.5 2.5	
1,2,3-Trichloropropane	ND	2.5	
n-Propylbenzene	ND	2.5	
2-Chlorotoluene	ND	2.5	
4-Chlorotoluene	ND	2.5	
1,3,5-Trimethylbenzene	ND	2.5	
t-Butylbenzene	ND	2.5	
1,2,4-Trimethylbenzene	ND	2.5	
sec-Butylbenzene	ND	2.5	
1,3-Dichlorobenzene	ND	2.5	
4-isopropyitoluene	ND	2.5	
1,4-Dichlorobenzene	ND	2.5 2.5	
1,2-Dichlorobenzene	ND	2.5 2.5	
n-Butylbenzene	ND	2.5 2.5	
1,2-Dibromo-3-chloropropane	ND	2.5 2.5	•
1,2,4-Trichlorobenzene	ND	2.5 2.5	
Hexachlorobutadiene	ND	2.5 2.5	
Naphthalene	ND	2.5 2.5	
1,2,3-Trichlorobenzene	ND	2.5	
•		2.5	

Blank Spike/Blank Spike Duplicate Report

Lab ID:
Date Prepared:
Date Analyzed:
QC Batch ID:

T1560 10/4/95 10/4/95 T1560

Volatile Organics by USEPA Method 8260

	Blank	Spike	BS		BSD			
	Result	Amount	Result	BS	Result	BSD		
Compound Name	(ug/L)	(ug/L)	(ug/L)	% Rec.	(ug/L)	% Rec.	RPD	Flag
1,1-Dichloroethene	0	25	24	96	24	98	2.5	
Benzene	0	25	27	108	28	110	1.8	
Trichloroethene	.0	25	26	106	27	, 109	2.8	
Toluene	0	25	26	106	28	111	4.6	
Chlorobenzene	0	25	27	106	29	115	8.1	

Lab ID:

Method Blank - DI516

Date Received:

Date Prepared:

Dáte Analyzed: % Solids 10/4/95

10/5/95

Extended Diesel Range by WTPH-D Modified

Surrogate o-Terphenyl

% Recovery 99 Flags

Recovery Limits

Low H

0 15

Analyte
Diesel (>nC12-nC32)

Result (mg/L) ND

PQL 0.63 Flags

Blank Spike/Blank Spike Duplicate Report

Lab ID: Date Prepared: Date Analyzed: QC Batch ID: DI516 10/4/95 10/5/95 DI516

Extended Diesel Range by WTPH-D Modified

Diese	I (>nC12-nC32)
Comp	oound Name

Blank	Spike	BS		BSD			•. •
Result	Amount	Result	.BS	Result	BSD		
(mg/L)	(mg/L)	(mg/L)	% Rec.	(mg/L)	% Rec.	RPD	Flag
0	2.5	2.7	109	2.5	99	9.8	

4813 PACIFIC HIGHWAY EAST, TACOMA WASHINGTON 98424 • TELEPHONE 206-922-2310 • FAX 206-922-5047

DATA QUALIFIERS AND ABBREVIATIONS

- J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.
- B1: This analyte was also detected in the associated method blank. The reported sample results have been adjusted for moisture, final expact volume, and/or dilutions performed during extract preparation. The analyte concentration was evaluated prior to sample preparation adjustments, and was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).
- B2: This analyte was also detected in the associated method blank. However, the analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).
- E: The concentration of this analyte exceeded the instrument calibration range.
- D: The reported result for this analyte is calculated based on a secondary dilution factor.
- X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be
- X2: Contaminant does not appear to be "typical" product. Further testing is suggested for identification.
 - Identification and quantification of peaks was complicated by matrix interference; GC/MS confirmation is recommended.
- X4: RPD for duplicates outside advisory QC limits. Sample was re-analyzed with similar results.
- X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.
- X5: Matrix spike was diluted out during analysis.
- X6: Recovery of matrix spike outside advisory QC limits. Sample was re-analyzed with similar results.
- X7: Recovery of matrix spike outside advisory QC limits. Matrix interference is indicated by blank spike recovery data.
- X7a: Recovery and/or RPD values for MS/MSD outside advisory QC limits due to high contaminant levels.
- X8: Surrogate was diluted out during analysis.
- X9: Surrogate recovery outside advisory QC limits due to matrix composition.
- N: See analytical narrative.
- Not Detected
- PQL: Practical Quantitation Limit
- MCL: Maximum Contaminant Level

DFT 002376

CHAIN OF CUSTODY / REQUEST FOR LABORATORY ANALYSIS

CLIENT:	Tre	Keiser			ANALYSI	SIS RE(S REQUESTED:	ä															
	I	1								F	_	L	20107	Eulesch		H			L			r	
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APPENDIX E LABORATORY DATA REPORT FOR MONITORING WELL SAMPLES

ANALYTICAL & ENVIRONMENTAL CHEMISTS. _ .

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

TRANSMITTAL MEMORANDUM

ICF / RECEIVED

SEP 28 1995

PRUJEC.

DATE: September 26, 1995

TO:

Robert Taaffe

ICF Kaiser Engineers

-aldel

PROJECT: Oxbow Park

LABORATORY NUMBER: 51616

Enclosed are the test results for six samples received at Sound Analytical Services on September 22, 1995.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (206) 922-2310.

Sincerely,

Andrew J. Riddell Project Manager

AJR:tm

DFT 002379

ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: ICF Kaiser Engineers

Date: September 26, 1995

Report On: Analysis of Water

Lab No.: 51616

IDENTIFICATION:

Samples received on 09-22-95

Project: Oxbow Park

ANALYSIS:

Lead Per EPA Method 200.8 Date Analyzed: 9-25-95

Units: mg/L

Lab Sample No.	Client ID	<u>Result</u>	POL
51616-1	TW-1	0.009 ·	0.003
51616-2	TW-2	0.012	0.003
51616-3	TW-3	0.012	0.003
51616-4	TW-4	0.039	0.003
51616-5	TW-5	0.009	0.003
51616-6	TW-6	0.016	0.003

PQL - Practical Quantitation Limit

ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

QUALITY CONTROL REPORT

Lead

Client:

ICF Kaiser Engineers

Lab No:

51616qc

Units:

mg/L

Date Analyzed:

9-25-95

METHOD BLANK	<u> </u>
Result	PQL
ND	0.003
	Result

- Not Detected

PQL - Practical Quantitation Limit

DUPLICATE

Dup No. 51617-1	Batch OC			
Parameter	Sample Result	Duplicate Result	RPD	Flag
Lead	0.061	0.060	1.7	

= Not Calculated

RPD = Relative Percent Difference

MATRIX SPIKE

MS No. 516	17-1 Batch	OC .			and the second second
Parameter	Sample Result	MS Result	MS Amount	%R	Flag
Lead	0.061	0.94	1.0	88	

= Matrix Spike

%R = Percent Recovery

DFT 002381

CBI/ Personal Privacy Information

(11.1.) ANALYTICAL & ENVIRONMENTAL CHEMISTS **UST PARAMETERS**

Tacoma, Washington 98424 (206) 922-2310 • FAX (206) 922-5047

CHAIN OF CUSTODY / REQUEST FOR LABORATORY ANALYSIS

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